

STAT
May 8, 2008
4:30 p.m.
Watson Library, Room 113A
Agenda

1. Roll Call
2. New Business
 - A. Approval of minutes from October 11, 2007
 - B. Approval of minutes from December 13, 2007
 - C. Letter from Chemistry Department
 - D. Reserve Budget
 - E. Surplus Budget
 - F. NSTEP document
3. Old Business
4. Next meeting date

SGA President

Signature

Date



NORTHWESTERN

STATE UNIVERSITY OF LOUISIANA
Natchitoches, LA 71497
A Member of the University of Louisiana System

DEPARTMENT OF CHEMISTRY AND PHYSICS

College of Science and Technology
Telephone: 318-357-5501
Fax: 318-357-4219

To: STAT Committee
From: Dr. Paul Withey, Dept. Head *Paul Withey*
CC: Jennifer Long Martin, Support Specialist, Student Technology
Date: April 30, 2008
Re: Student Research in Chemistry with an NMR Spectrometer

Last fall, the Dept. of Chemistry and Physics submitted requests to the University for needed equipment to significantly improve the ability for students to perform scientific research at Northwestern. These items were forwarded to your committee for funding. We are very grateful for what you have been able to provide so far. One item in particular will be enormously helpful as it is used ubiquitously at every institution with a graduate program, and at many undergraduate institutions. That is a superconducting NMR Spectrometer. NMR is the single most widely-used analytical tool in chemistry, enabling molecules and their structural features to be determined. It's the same as an MRI used in the medical industry, but not nearly as expensive (doesn't do 3-D imaging). Virtually all of the major chemistry journals don't allow NMR spectra from non-superconducting NMR spectrometers to be published because they are not good enough. A 400 MHz NMR spectrometer will open up the possibilities for student publications (a direction I, the faculty and our students desire the program to move toward). Also it will prepare our students for what they will really find in the chemical industry and in graduate school. In fact, giving our students the experience on NMR spectroscopy that larger schools provide will make them much more competitive and more in demand for internships, jobs in industry, as well as graduate studies! (I would also like to move in this direction.)

In the fall, the funding for this item was tabled. Apparently there were enough funds to put \$150,000 toward the instrument, but not the full \$263,000 requested (a superconducting NMR cannot be purchased for only \$150,000). I wish to propose that the funds allocated for another instrument, a GCMS (Gas-Chromatograph Mass-Spectrometer), at \$114,300, be merged with the \$150,000 tentatively assigned to purchase the \$263,000 400 MHz NMR Spectrometer originally requested (after the bid process it may come in at a lower amount). The NMR will be more valuable for our students to be trained on, and a chemistry faculty member is seeking external funds to purchase another GCMS.

If our students are trained on a 400 MHz NMR, they would be readily snatched up by graduate schools, major companies, and research internship programs. At Northwestern, students will obtain a true chemistry research experience with an excellent probability for publication. I hope that you will be able to help us make this happen.

Thank you very much for your consideration of this request. If you need to speak with me or if I can provide more information, please don't hesitate to contact me and I'll be happy to do so.

Thank you!

Student Technology Fee

Grant Proposal

2008.01

2007-08

14?
1) wireless?
2) tablet PC?
3) wired network?

Dr. Jim McCrory

Approved

Denied

Comment:

It must be understood that this device may interfere with the operation of wireless access points that may be located on the Shrewsbury campus. The Shrewsbury campus should have a plan for how they are going to deal with possible interference

Diana Hamilton

Approved

Denied

Comment:

Gary Gatch

Approved

Denied

Comment:

Mike McDonald

Approved

Denied

Comment:

Make sure wireless signal does not interfere with us.

Dale Martin

Approved

Denied

Comment:

Review

Student Technology Fee
Grant Proposal Request Form
Fiscal Year 2007-08

labeled

2008.014

#2 NA

Northwestern State University of Louisiana

ALL BLANKS MUST BE FILLED COMPLETELY

Prepared by: Mollie Moody, Susan Snell For: NOELLE Childbirth/Newborn HAL Simulators
Susan Pierce, Alana Bragg

Department/Unit: Nursing College: College of Nursing Campus: Shreveport

Which NSTEP Goals/Objectives does this project meet? Objective #3

Requested equipment will be located/installed/housed? Building: Shreveport Nursing Lab

Are department property policies and procedures in place for requested equipment? Yes

Which individual will be responsible for property control of the requested equipment?

Signature: [Signature] Date: 10/29/07

Grant Proposal Requested Amount: \$ 42,093.51 Budget Attached (circle one): YES/NO

Grant delivered to Student Technology located in Watson Library, Room 113. Date _____

The grant proposal must include all specifications, description, model number, quotation, cost, state contract number, and vendor for each item. If the proposal does not include all requested information, it will be returned to requestor.

1. Describe target audience.

The target audience for this proposal is comprised of in excess of 500 undergraduate and graduate nursing students who are enrolled in the clinical components of their respective nursing programs. It is anticipated that approximately one quarter of these students who are enrolled in maternal-child nursing will gain critical clinically-related experiences utilizing this childbirth and infant care simulator each semester. Eventually all Associate of Science in Nursing and Bachelor of Science in Nursing as well as Graduate nursing students will benefit from the use of *NOELLE and Newborn HAL*. This cutting edge instructional technology provides exceptional, life-like simulation experiences for application of theory and demonstration of clinical skills within a supervised, low-risk environment for students prior to engaging in labor, delivery and child health care within the actual patient care situation. Of extreme importance is the fact that these skills are an expectation in preparation for the undergraduates to pass the NCLEX-RN national licensing exam and for graduate students to pass the certification examination to become Women's Health and Pediatric Nurse Practitioners.

2. Describe project/initiative for which you are requesting funds.

The trends in nursing education are to broaden students' exposure to multiple health care issues, integrating cutting-edge technology that will enhance and sustain student understanding and learning. Consistent with the University and College of Nursing goals to increase the use of technology-driven, content-specific simulation learning across the curriculum, this maternity and newborn simulator will provide students with unparalleled opportunities gain critical experiences in the care of these patients within a supervised, risk-free environment. These experiences are designed to assist students to think critically and make sound clinical decisions as they apply theoretical content with a simulated patient care environment. *NOELLE* and *Newborn HAL* will be used along with clinical case scenarios to enhance problem solving abilities, critical thinking skills and, clinical reasoning skills to facilitate rapid responses to assure safe and effective care delivery.

Development of these skills in a simulated environment are directly transferable to real life encounters as a nurse. Simulated learning has been demonstrated to produce lower stress and greater knowledge retention than real-life environments. Simulation learning experiences are positive reinforcements of critical clinical concepts and decision making. This new technology has created a challenge for educators to keep pace with the quickly changing clinical environment

Faculty are positioned to provide a variety of physiological scenarios to facilitate the students' application of the nursing process, including situational assessment, prioritizing needs, implementing appropriate interventions, and evaluating patient care outcomes. For example, the student might have to respond to a bleeding disorder during delivery or a postpartum hemorrhage. *Newborn HAL* can be taken to the classroom and during a discussion about epilepsy he might have a seizure right in front of the class—the students would then have to implement activities to help *HAL*. In another discussion about transient tachypnea (difficulty with breathing) of the newborn, *Newborn HAL* might increase his breathing and turn dusky and the student nurse would have to intervene to provide more oxygen to him. There are NUMEROUS scenarios that can be provided to allow the students' to respond as the nurse—the scenarios are almost unlimited! Simulation learning allows the students to learn how to “think and respond like a nurse” in a non-threatening environment before they actually have to be the nurse.

We respectfully request \$42,093.51 to purchase NOELLE Childbirth/Newborn HAL Simulators for the Shreveport Nursing Laboratory.

Description of Equipment	Quantity	Unit Price
1. NOELLE Maternal & Neonatal Birthing Simulator with Newborn HAL	1	\$42,093.51
2. Extended Warranty	1	Included in above quote
3. Applications, Installation & Training	1	“
4. Shipping		“

3. State measurable objectives that will be used to determine the impact/effectiveness of the project.

- Improve course and skills mastery in Women's Health and Pediatric content through use of a simulated laboratory setting which provides for lower stress and greater knowledge retention.
- Reinforce student mastery of critical thinking and the nursing process within the healthcare setting.
- Supplement student learning by responding to case situations to actualize learning from theory and clinical experiences not always available within the healthcare setting.

4. Indicate how each project objective will be evaluated.

- Faculty will validate student knowledge through testing and use of standardized testing measures such as ATI testing.
- Faculty will evaluate student clinical performance and critical thinking skills through the use of a variety of physiological scenarios to facilitate student application of the nursing process.
- Students will demonstrate competency in the clinical setting to meet requirements graduation and licensure for professional practice.

5. If funded, which NSTEP <http://www.nsula.edu/nstep/NSTEP.pdf> objective(s) will this funding of this project advance. How will funding of the project advance the University and College/unit technology plan?

This project will advance the following objective:

Objective #3- To upgrade student technology laboratories with modern technology

The College of Nursing's technology plan includes upgrading all simulation laboratories with equipment that closely mirrors the technology that is utilized within the healthcare environment. The addition of these simulators will support and advance this plan.

6. Provide a justification for funding of this project. Estimate the number of students that will be served per academic year and in what ways. Please indicate also any unique needs of the target group.

- An estimated average of 250 students per year will have access to this simulation equipment. The simulators will be placed in a laboratory setting to be utilized for student learning opportunities.
- Maternal-Newborn and Pediatrics provide essential specialty nursing that involves high acuity care with vulnerable high-risk populations.
- The simulators will provide the student with hands on clinical opportunities that, due to the unique physiological aspect of pregnancy and childbirth, cannot be experienced with non-specific laboratory simulators

- **Item #1 NOELLE S575 with Newborn HAL \$34995.00**

The NOELLE S575 includes NOELLE, newborn HAL, two 17 inch touch screen monitors with computer control, and two wireless tablet PCs.

Accessories

100-240 VAC charger
Blood pressure cuff
CDROM tutorial
Carrying cases

- **Items #2 Extended Warranty \$5250.00**

Extended warranty to three years.

- **Item #3 Applications, Installation & Training \$1500.00**

- **Item #4 Shipping \$348.51**

7. List those individuals who will be responsible for the implementation of the project/initiative and indicate their demonstrated abilities to accomplish the objectives of the project.

Mollie Moody, MSN, RN: 3rd Level BSN Coordinator

Susan Pierce, EdD, MSN, RN, CNE

Susan Snell, MSN, APRN, BC, FNP

Alana Bragg, MSN, RNC, WHNP

- The above faculty members are assigned to the College of Nursing Shreveport campus. Combined these faculty have an extensive clinical background in Maternal-Child Nursing with 64 years as Nurse Educators. In addition, Susan Pierce has a Doctorate in Educational Technology.

8. Describe any personnel (technical or otherwise) required to support the project/initiative.

Faculty will be supervising students in the use of the equipment in the laboratory setting. No additional personnel will be needed to meet the objectives of this proposal.

Gaumard provides installation and training services in the use of the simulators, with support personnel available by telephone Monday-Friday 8:00am-4:30 pm ET.

9. Provide a schedule for implementation and evaluation.

- Decision to fund proposal: November, 2007
- Monies made available during first quarter of 2008
- Simulator equipment to be ordered the week monies become available
- Shipping time is overnight
- Implementation in laboratory to begin upon receipt and training
- Evaluation to begin immediately upon receipt of the equipment in the lab by the faculty

10. Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five years.

Upgrades will be provided at no charge by the manufacturer.

11. Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received through a Student Technology Fee.

If you are requesting equipment that will be either/or checkout to students or moved within the department, you must provide a checkout/loan policy.

The equipment will be stored in a locked laboratory where there is a Laboratory Coordinator on duty during the normal hours of business. Some laboratory hours are periodically scheduled for students in the afternoons or on weekends, however, there is always a faculty/lab coordinator member present. The only people who have access or a key to this laboratory are the faculty and the security guard onsite. The students will only be able to use the equipment with a faculty member present.

The equipment is placed in the laboratory and will not be checked out to students or removed from campus.

Attach two (2) letters of support for the project from the following individuals: the requesting department's Dean, the appropriate Vice President (for non-academic units), or the SGA President from the requesting campus (for student requests).

Student Technology Fee Grant Proposal Checklist:

- X Is all information requested provided (items 1 – 11)?
- X Is a detailed budget attached?
- X Is all specifications, description, model number, quotation, cost, state contract number, and vendor provided for each item?
- X Are your two (2) letters of support attached?
- N/A If equipment is to be checked-out/loaned, is your policy attached?

NOELLE with Newborn *HAL* (S575) is not currently on State of Louisiana Purchasing contract. Sole Manufacturer letter is attached to the quotation by the Gaumard Scientific Company.



GaumardSM
 Simulators for Health Care Education

GAUMARD SCIENTIFIC COMPANY
 14700 SW 136 STREET
 MIAMI, FL 33196
 USA

Quotation

Quote Number:
 000101807-04

Quote Date:
 Oct 18, 2007

Page:
 1

Quoted to:

Northwestern State Univ. of Louisiana
 1800 Line Avenue
 Shreveport, LA 71101
 USA

Customer ID	Good Through	Payment Terms	Sales Rep
NORT027	11/17/07	Net 20 Days	Bill Broach

Quantity	Item	Description	Unit Price	Extension
1	S575	NOELLE Maternal & Neonatal Birthing Simulator w. Newborn HAL.	34,995.00	34,995.00
1	S575 EXW	Extended Warranty for S575 (Covers years 2 & 3)	5,250.00	5,250.00
1	S575.000	One Day of In-Service Training & Installation Estimated Time of Delivery: December 2007 Shipment Via: UPS	1,500.00	1,500.00
			Subtotal	41,745.00
			Sales Tax	↓
			Freight	348.51
			Total	42,093.51



Gaumard®

Simulators for Health Care Education

14700 Southwest 136 Street
Miami, Florida 33196
Telephone: 305-971-3790 x2006
Fax: 305-667-6085

October 16, 2007

Dr. Norann Planchock
Dean of the College of Nursing
Northwestern State University of Louisiana.
1800 Line Avenue
Shreveport, LA 71101

Dear Dr. Planchock:

This is to confirm that Gaumard Scientific Company located at 14700 SW 136 Street, Miami, Florida 33196; is the Sole Manufacturer for the following models: **S575** – Maternal and Neonatal Birthing Simulator and the **S3010** Newborn HAL.

If you should have any questions, please feel free to contact me.

Sincerely,

Bill Broach
Gaumard Scientific
bill@gaumard.com
786-214-1934

NOELLE™ S575 is untethered with wireless communications

You know from experience that not all deliveries are uneventful ... you always hope for the best outcome for mother and newborn, but prepare and train for the unexpected.

That's why Gaumard has developed a family of simulators that provide care in motion. Each simulator provides total mobility ... you can rush your NOELLE from the Labor and Delivery Room to the OR. You can rush her newborn from Labor and Delivery to NICU. You can rush mother and child from an accident scene to the ER.



Gaumard simulators provide total real-time experience. There is no switching off to stand-by simulators. The mobility requirements of your OB training program will be complete with the S575.



NOELLE features

- Breathing and pulses
- Vertex, breech and C-section deliveries
- Shoulder dystocia and PPH
- Dynamic perinatal monitor
- Maternal and neonatal vital signs monitors
- Control NOELLE between rooms and floors of buildings
- NOELLE smoothly transitions between physiological states in response to commands from a wireless PC
- Use our scenarios or quickly generate your own
- Multiple heart and respiratory sounds
- Pulses are continuous and synchronized with ECG
- Speech and convulsions
- Use real EMS equipment
- Caregiver actions time stamped and logged
- Evaluate actions with a single click and insert notes in a real time performance log

NOELLE's Newborn HAL features

- breathing and pulses
- color and vital signs that are responsive to hypoxic events and interventions
- physiologic modeling and trending

NOELLE and her newborn have wireless communication and documentation, self-contained respiratory and circulatory functions, and are fully responsive in transit with comprehensive performance feedback

NOELLE™ S575 perfect for competency based programs

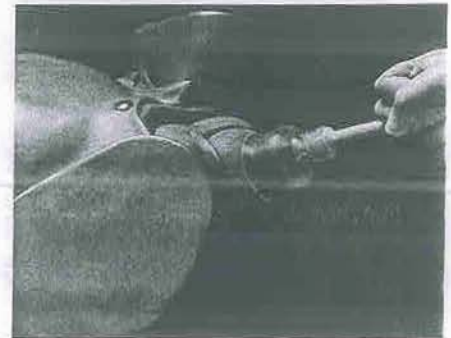
NOELLE™ is perfect for competency based programs since each delivery can be precisely controlled while devices track student actions. The fetus may be manipulated to resolve a delivery dilemma. See instant feedback of force and torque on the fetus as well as its head position. This data is graphed and synchronized with our fetal monitor for debriefing and evaluation. The fetus is released on command after the Instructor has observed and logged required competencies. Students are then able to complete delivery.



Wirelessly control maternal monitor, change vital signs, simulate cardiac emergencies and delivery dilemmas.

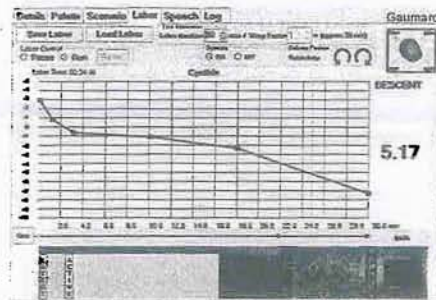
Normal Vaginal & Instrumented Delivery

- Fetus descends and rotates internally as it moves down birth canal
- Extensible birth canal
- Fetal external rotation aligns shoulders with vulva
- New fetal head skin for use with most vacuum devices and forceps



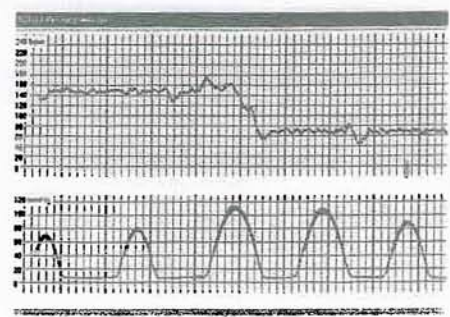
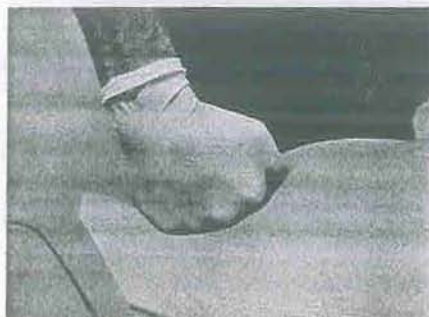
Shoulder Dystocia

- Use delivery Profile Control to specify exactly when the "turtle sign" will occur and how long you allow students to deal with this dilemma
- Relieve dystocia using suprapubic pressure, McRobert's maneuver, posterior arm sweep, fetal rotation or "elbows/knees" position



Intrapartum Modeling or Trending

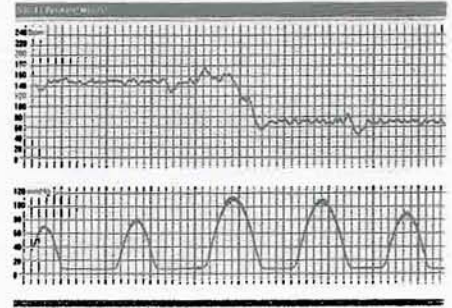
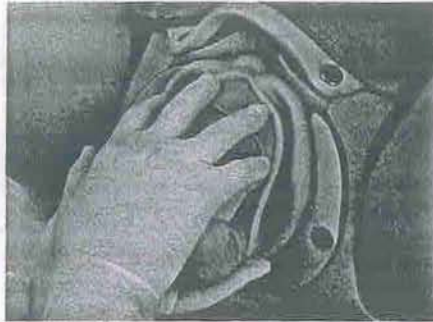
- Use our physiologic model that controls skin color and vital signs
- Trend color and vital signs as you wish



NOELLE™ S575 Maternal and Neonatal Birthing Simulator

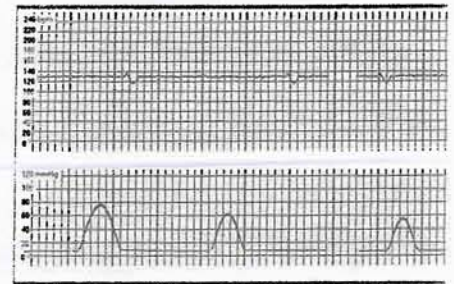
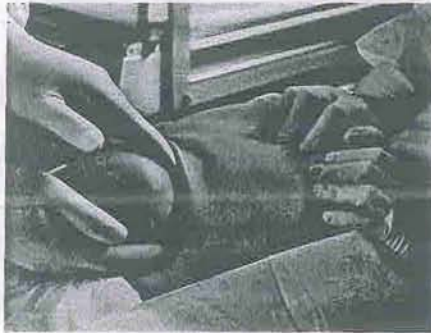
Breech Delivery

- Practice vaginal breech deliveries
- Learn to free the legs using Pinard maneuver
- Once delivered the neonate requires resuscitation
- Change maternal vital signs or fetal heart tones during the scenario "on the fly"



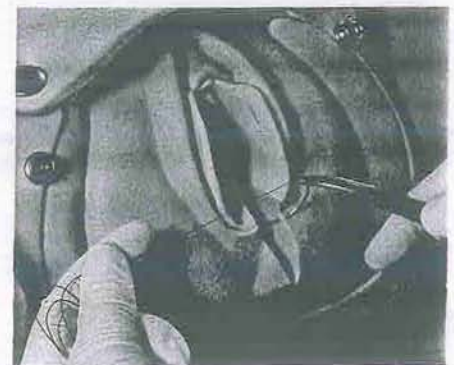
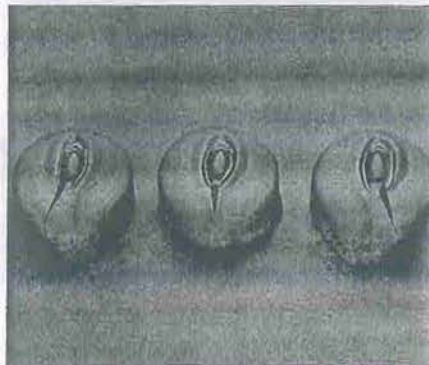
C-Section

- Special abdominal cover having tissue layers students can dissect
- Practice delivery of either vertex or breech presentation
- Change vital signs and fetal heart tones with this or any other scenario "on the fly"



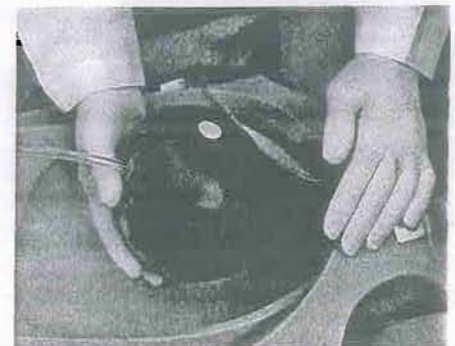
Episiotomy Repair

- Deliveries may require an episiotomy to prevent an uncontrolled tear of the vulva
- These reusable repair modules also feature tears of the labia and perineurethra

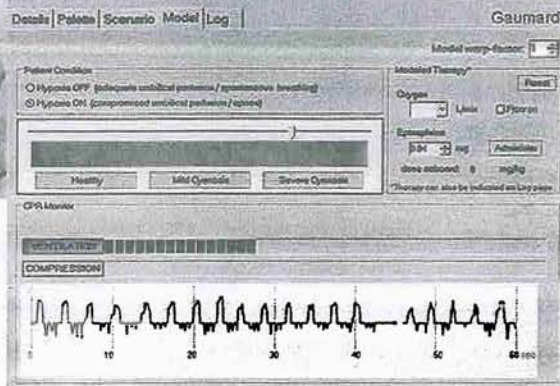
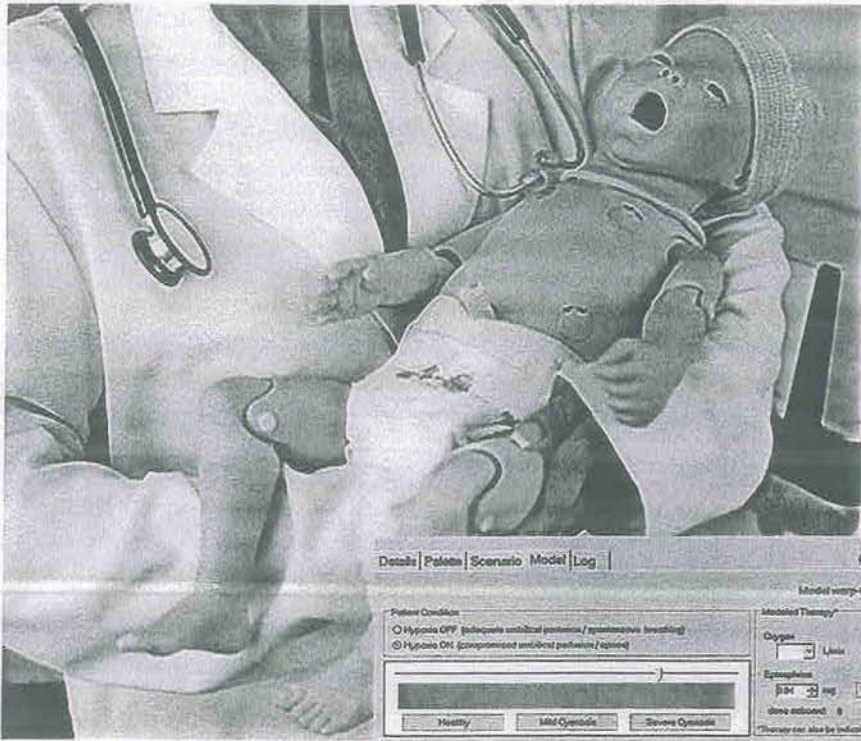


Postpartum Hemorrhage and Fundal Massage

- This postpartum uterus bleeds through cervical os and cervix
- The uterus can be massaged and it shrinks. Instructor then reduces bleeding
- Students can also administer medication via IV, IM or rectal sites



NOELLE™ 575 ... wireless and fully responsive even while being carried



Color, motion and vital signs respond to hypoxic events and interventions

Newborn HAL features Airway

- Oral and nasal intubation
- Use an ET tube or LMA
- Unilateral chest rise
- Multiple upper airway sounds

Breathing

- Control rate/depth of respiration
- Ventilation is measured and logged
- Independent left and right lung sounds
- Breath sounds

Circulation and color change

- Multiple heart sounds, rates, intensities
- Chest compressions measured/logged
- Blood pressure and IV
- Color, vital signs, and motion respond to hypoxic events and interventions
- Umbilical, brachial, and scalp pulses operate continuously
- Pulse strengths vary with blood

More Newborn Features

- Crying and convulsions
- View ECGs with physiologic variations generated in real-time
- Conductive skin regions
- Apply real electrodes
- Vigorous cry synchronized breathing
- Programmable arm motion

Simulator

- The NOELLE S575 includes NOELLE, Newborn HAL, two 17" touchscreen monitors with computer control, and two wireless tablet PCs

Control

- Change physiologic states using wireless control
- Use our scenarios or quickly build your own
- Sensors provide feedback on performance
- Changes in condition and care are time stamped and logged
- Instructors evaluate interventions and insert notes on real-time performance log

Accessories

- 100-240 VAC charger
- Blood pressure cuff
- Instructions
- CDROM tutorial
- Carrying cases

Other

- One year limited warranty, extended warranty to three years
- Installation and training services available
- NOELLE support personnel available weekdays 8:00 am to 4:30 pm ET

NOELLE with Newborn HAL®

S575 **\$34995**

NOELLE without Newborn HAL®

S574 **\$24995**

FOB Factory, Miami, FL, USA

Patented: other patents pending

Training at our facility or yours
One year limited warranty; extended warranty to three years
Support personnel available weekdays





Northwestern State University

A Member of the University of Louisiana System

College of Nursing
1800 Line Avenue
Shreveport, Louisiana 71101-4653



Office of the Dean
Telephone (318) 677-3100
Fax (318) 677-3127
PlanchockN@nsula.edu

October 26, 2007

Student Technology Fee Grant Review Committee
Northwestern State University
Natchitoches, LA 71497

Members of the Committee,

This letter is to convey my strong support of the proposal submitted by the College of Nursing faculty to acquire the maternal and newborn simulation equipment for the clinical laboratory on the Shreveport Campus. The emphasis on supporting student learning through the provision of technology-advanced equipment is not only imperative, but an increasing requirement by the accrediting and licensing agencies for both undergraduate and graduate nursing programs. Our students must become clinically competent in the performance of these skills as they remain a critical component of the patient assessment practice within the health care environment within which they will be employed. Additionally, the opportunity to practice within a simulated environment enhances student learning prior to exercising these practices in the high-risk patient care environment. Students gain superior confidence and competence that can safely be transferred to the actual patient care situation. Student learning and patient safety become the top priorities served by exercises in a simulated laboratory first! It is essential that the College of Nursing increase cutting-edge technology integration within the existing learning environment for nursing students and your approval of this proposal will foster our initiative in that regard.

Your approval of this proposal will make our students the ultimate benefactors of greater learning support and opportunities. I look forward to hearing of your approval action in the near future.

Sincerely,

Norann Y. Planchock, PhD, APRN, BC, FNP
Dean and Professor
College of Nursing

October 24, 2007

**Information Technology Fee Grant Committee
Northwestern State University
Natchitoches, LA 71497**

Committee Members,

On behalf of the Shreveport Student Government Association (SSGA), I am pleased to offer this letter in support of the proposal by the College of Nursing to acquire the Maternity and Infant simulators for the clinical nursing laboratory in Shreveport. Simulated laboratory experiences related to labor and delivery, the early care of the newborn, and infant are exciting. They will provide our students simulation opportunities that we have never had before in these areas!! The opportunity to be able to have simulated experiences will certainly better prepare us for the actual experiences with patients. In addition, it is critical that we continue to increase these technology-based simulated experiences for students to enhance understanding and learning, particularly since the numbers of students are increasing in proportion to the numbers of maternity and pediatric patients available during our assigned learning experiences. This equipment will not only enhance undergraduate student learning, but will provide us opportunities to be better prepared to be successful on the RN licensing examination. These factors are so important to our future practice as registered nurses!

Please consider supporting this proposal in a favorable manner. If I can be of assistance to the committee, please do not hesitate to call upon me.

Respectfully,



**President
SSGA**

Student Technology Fee

Grant Proposal

2008.015

2007-08

1) No quote
2) No budget

Dr. Jim McCrory

Approved Denied

Comment: Insufficient technical information to evaluate

Diana Hamilton

Approved Denied

Comment: _____

Gary Gatch

Approved Denied

Comment: No information to evaluate.

Mike McDonald

Approved Denied

Comment: unable to evaluate, no budget or quotes

Dale Martin

Approved Denied

Comment: _____

Student Technology Fee
Grant Proposal Request Form
Fiscal Year 2007-08

tabled

2008.015

Northwestern State University of Louisiana

#3 NA

ALL BLANKS MUST BE FILLED COMPLETELY

Prepared by: Tammy Curtis

For: Radiographic Opaque Head, with complete cervical spine (C1-C7)

Department/Unit: Radiologic Technology College: College of Nursing Campus: Shreveport

Which NSTEP Goals/Objectives does this project meet? Objective #3

Requested equipment will be located/installed/housed? Building Warrington Building, Second floor x-ray Lab located in Shreveport

Are department property policies and procedures in place for requested equipment? Yes

Which individual will be responsible for property control of the requested equipment?

Signature:  Date: 10/22/07

Grant Proposal Requested Amount: \$ 4,514.00 Budget Attached (circle one): YES/NO

Grant delivered to Student Technology located in Watson Library, Room 113. Date _____

The grant proposal must include all specifications, description, model number, quotation, cost, state contract number, and vendor for each item. If the proposal does not include all requested information, it will be returned to requestor.

1. Describe target audience.

The audience for this proposal is comprised of the Radiologic Technology students in the clinical phase of their education on the Shreveport Campus. Although there will be a 55 students utilizing this equipment initially, it is projected that all of the currently enrolled 262 Radiologic Technology students will have access to and will gain clinical simulation experience with this vital equipment.

2. Describe project/initiative for which you are requesting funds.

With the growing infusion of technology in all phases of clinical radiology in the contemporary health care environment, Radiologic Technology students are mandated to gain clinical competency skills required to be successful on passing their national radiologic technology licensure and also successful in their clinical skills for future employment. The purpose of this

proposal is to secure a radiologic opaque phantom head with seven cervical spine attachments to enable enrolled students to perform simulated exams of the skull and facial bone competencies required as part of their mandatory clinical grades to graduate from the BSRT program. The addition of the phantom head will enable the students to gain the required competencies when they are not able to perform the exams on live patients in the clinical setting due to the complexity and infrequency of imaging the head. The mastery of these clinical competencies will enable the students to meet a required component of the registry examination upon completion of the program.

3. State measurable objectives that will be used to determine the impact/effectiveness of the project.

- Students are allowed to perform a total of 10 competency simulations on anthropomorphic phantoms prior to graduation. In particular, 5 of these simulations are on the head. Currently, the head phantom that we have been using is damaged and cracked. The students are not able to accurately evaluate successful positioning skills on the finished radiographs due to the damage.
- The addition of this phantom will allow us to meet our clinical course objectives more swiftly with better student learning outcomes.
- A good quality anthropomorphic head phantom will allow student simulations and will result in higher scores for students in image evaluation for laboratory tests.

4. Indicate how each project objective will be evaluated.

- Faculty will validate the student's ability to obtain accurate imaging of the skull and facial bone competencies.
- Faculty will use the student's scores on laboratory competencies to meet program goals and course objectives.
- Students will demonstrate competency in radiography of the head on the registry exam for professional practice.

5. If funded, which NSTEP <http://www.nsula.edu/nstep/NSTEP.pdf> objective(s) will this funding of this project advance. How will funding of the project advance the University and College/unit technology plan?

This project will advance the following objective:

Objective #3- To upgrade student technology laboratories with a good quality head phantom

The College of Nursing's technology plan includes upgrading all simulation laboratories with equipment that closely mirrors the technology that is utilized within the healthcare environment. The addition of this phantom will support and advance this plan.

6. Provide a justification for funding of this project. Estimate the number of student that will be served per academic year and in what ways. Please indicate also any unique needs of the target

- An average of 30-40 students per semester will benefit from the imaging phantom. Because our students attend a full 12 week summer session, three semesters comprise our academic year. Considering three semesters per academic year, approximately 120 students per year will benefit from these phantoms. Our program is rapidly growing and can expect to add an additional 30-40 students next academic year.
- Due to the complexity and infrequency of some imaging exams, phantoms are used in the lab to simulate these studies. With the help of phantoms, students can still receive the repetition necessary to become competent with these procedures without exposure to the patient.
- Phantom imaging in the laboratory environment is critical to the learning and preparation of a medical imaging professional. Students can image the phantoms an innumerable amount of times without causing damage to the phantom or to a living being. The ability to practice in the energized lab with the phantoms helps to drastically reduce the amount of radiation exposure to patients once students go to the clinical education setting.
- Due to the nature of ionizing radiation professionals, hours of hands-on (psychomotor) practice is required to perfect patient positioning and radiographic technique development. Phantoms are the best way to practice using ionizing, dangerous radiation without endangering living beings.

7. List those individuals who will be responsible for the implementation of the project/initiative and indicate their demonstrated abilities to accomplish the objectives of the project.

Laura Aaron, PhD, RT(R)(M)(QM): Program Director

Kelli Haynes, MSRS, RT(R): Clinical Coordinator

Becky Britt, MSRS, RT(R)(M)

Tammy Curtis, MSRS, RT(R)

Kendall Delacerda, MSRS, RT(R)

Kari Cook, MSRS, RT(R)

Ben Wood, MSRS, RT (R)

- The above faculty members are assigned to either the Shreveport or Alexandria campus for the Radiologic Technology Program. Because the faculty hold a substantial number of years in the clinical setting as well as the educational setting, faculty are able to provide instruction and supervise students in the use of the phantom head to meet the objectives of this proposal.

8. Describe any personnel (technical or otherwise) required to support the project/initiative.

Faculty will be overseeing the use of the phantom in the laboratory setting. No additional personnel will be needed to meet the objectives of this proposal.

<p>9. Provide a schedule for implementation and evaluation.</p> <ul style="list-style-type: none"> • Decision to fund proposal: October 31, 2007 • Monies made available during first quarter of 2008 • Radiographic opaque phantom head will be ordered the week monies become available • Shipping time is 2-4 weeks • Implementation in laboratory to begin the first week of April, 2008 • Evaluation to begin immediately upon receipt of the equipment in the lab by the faculty.
<p>10. Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five years.</p> <p>The life span of the phantoms is usually unlimited. They are non-destructible and require no upgrades or any additional maintenance.</p>
<p>11. Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received through a Student Technology Fee. If you are requesting equipment that will be either/or checkout to students or moved within the department, you must provide a checkout/loan policy.</p> <p>The phantom will be stored in a locked laboratory located in the Warrington building in Shreveport. The only individuals who have access or a key to this laboratory are the faculty and the security guard onsite. The students will only be able to use the phantom with a faculty member present.</p>

Attach two (2) letters of support for the project from the following individuals: the requesting department's Dean, the appropriate Vice President (for non-academic units), or the SGA President from the requesting campus (for student requests).

Student Technology Fee Grant Proposal Checklist:

- X Is all information requested provided (items 1 – 11)?
- X Is a detailed budget attached?
- X Is all specifications, description, model number, quotation, cost, state contract number, and vendor provided for each item?
- X Are your two (2) letters of support attached?
- N/A If equipment is to be checked-out/loaned, is your policy attached?



Northwestern State University

A Member of the University of Louisiana System



College of Nursing
1800 Line Avenue
Shreveport, Louisiana 71101-4653

Office of the Dean
Telephone (318) 677-3100
Fax (318) 677-3127
PlanchockN@nsula.edu

October 24, 2007

Student Technology Fee Grant Review Committee
Northwestern State University
Natchitoches, LA 71497

Members of the Committee,

On behalf of the students and faculty in the Radiologic Technology program, this letter will serve as my strong support of the proposal submitted by the Radiologic Technology program to acquire a radiographic opaque phantom head for the Shreveport campus. The emphasis on supporting student learning through the provision of technology-advanced equipment is not only imperative, but a mandate by the accrediting and licensing agencies for Radiologic Technology programs. Our students must become clinically competent in the performance of these skills as they have become a critical component of the radiographic patient positioning skills necessary for imaging within the health care environment within which they will be employed. It is, therefore, essential that the College of Nursing increase its level of technology integration within the existing learning environment and your approval of this proposal will foster our initiative in that regard.

I urge the Committee members to act favorably on this proposal. In so doing, the students will be the benefactors of greater learning support and opportunities. I look forward hearing of your approval action in the near future.

Sincerely,

Norann Y. Planchock, PhD, APRN, BC, FNP
Dean and Professor
College of Nursing

October 24, 2007

Information Technology Fee Grant Committee
Northwestern State University
Natchitoches, LA 71497

Committee Members,

On behalf of the Shreveport Student Government Association (SSGA), it is my pleasure to offer this letter in support of the proposal by the Radiologic Technology program to acquire a radiographic opaque phantom head for the Shreveport learning laboratory. Learning these clinical positioning skills has become a critical component of the Bachelor of Science in Radiologic Technology (BSRT) curriculum and this phantom is requisite to students becoming efficient in radiographic patient positioning imaging procedures. The provision of this phantom will assist the near 260 BSRT students in preparing them to complete their competencies necessary for them to graduate and perform imaging skills in their future employment.

The practice of Radiologic Technology is continuously being enhanced by the infusion of cutting-edge technology and it is essential that we assist our students to be educated utilizing the latest and best technology available. This grant will enhance the integration of advanced technology for BSRT students.

Please consider supporting this proposal in a favorable manner. If I can be of assistance to the committee, please do not hesitate to call upon me.

Respectfully,

A handwritten signature in cursive script that reads "Kimberly A. French".

President
SSGA



P.O. Box 186 Elkhart, IN 46515-0186 800-854-1051 574-264-4310
Fax: 574-264-9551 <http://www.supertechx-ray.com> sales@supertechx-ray.com

November 13, 2007

Ms. Tammy Curtis
Northwestern State University
Shreveport, LA 71101
318-677-3067, 31867 73068 Fax
curtist@nsula.edu

Dear Tammy:

Thank you for the opportunity to quote for you. Here is the quote you requested:

	List Price	Your Price
RS-108 Opaque Head with Cervical Spine	\$4,514.00	\$3,930.00
Shipping	50.00	50.00
Total	\$4,564.00	\$3,980.00

The lead time on the phantoms is approximately 12-14 weeks.

Best regards,

Joy E. Nystrand
Assistant to the President

**This quote is valid for 30 days.

Grant # 15: For: Radiographic Opaque Head, with complete cervical spine (C1-C7)

The vendor is Supertech Dealer, PO Box 186, Elkhart, IN 46515

Vender Phone: 1-800-654-1054 or 1-574-264-4310.

The model number is RS-108.

The description is Radiographic Opaque Head, with complete cervical spine (C1-C7).



The cost is \$4,514.00.

Budget

Description of Equipment	Quantity	Unit Price
Opaque Head with complete cervical spine: RS 108	1	\$4,514.00
Shipping		\$50.00
Total		\$4,564.00

	Address: P.O. Box 186 Elkhart, IN 46515 USA	Email: sales@supertechx-ray.com Support: support@supertechx-ray.com
	Sales: 800-654-1054 Phone: 574-264-4310 Fax: 574-264-9551	http://www.supertechx-ray.com/index.html
President: David B. McNitt V.P. of Marketing: Judy McNitt-Mell Asst. to the President: Joy E. Nystrom		

**Refer to Item numbers for Natural or Synthetic Bone.
 Natural Bone is opaque only. Synthetic Bone is opaque or transparent.**


	
HEAD WITH CERVICAL SPINE SK150 Natural Bone Opaque RS-108 Synthetic Bone Opaque RS-108T Synthetic Bone Transparent	HEAD NO CERVICAL SPINE SK100 Natural Bone Opaque RS-109 Synthetic Bone Opaque RS-109T Synthetic Bone Transparent

Stock #	Description	Your Price
RS-108	Opaque Head, with complete cervical spine (C1-C7)	\$4,514.00

#15

Supertech®

Thousands of Products
Serving You is Our Pleasure

Home	 Registered w/ Dun & Bradstreet	VOSB - Veteran Owned S 1973 NAICS CO
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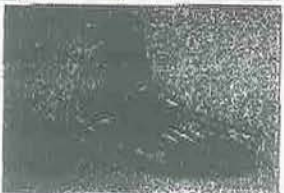

Product Categories

Supertech's
X-ray Technique Calculator
Anesthesiology
Anthropomorphic Phantoms
Aprons and Barriers
BIODEX Tables
Breast Imaging / Care /Mammography
Chairs
CT
Eyewear
Filters
First Response/ Homeland Security
L-Blocks and Shields
Mammography
MRI
Multi-Modality Phantoms
Nuclear Medicine
Patient Positioning
Quality Control Instrumentation
Radiation Detection- Survey Meters
Radiation Therapy
Ultrasound
X-Ray Technique Calculator

Sectional Teaching Phantoms

*Pictures show position of part.
Refer to item numbers for Natural or Synthetic Bone.
Natural Bone is opaque only. Synthetic Bone is opaque &
transparent.*

	
HEAD WITH CERVICAL SPINE SK150 Natural Bone Opaque RS-108 Synthetic Bone Opaque RS-108T Synthetic Bone Transparent	HEAD NO CERVICAL SPINE SK100 Natural Bone Opaque RS-109 Synthetic Bone Opaque RS-109T Synthetic Bone Transparent
	
CHEST/THORAX SK200 Natural Bone Opaque RS-111 Synthetic Bone Opaque RS-111T Synthetic Bone Transparent	LOWER PELVIS (T) SK250 Natural Bone Opaque RS-113 Synthetic Bone Opaque RS-113T Synthetic Bone Transparent

	
FOOT - NATURAL (RELAXED) XA241L Natural Bone Opaque RS-116 Synthetic Bone Opaque RS-116T Synthetic Bone Transparent	FOOT - PLANTAR FLEXION XA241R Natural Bone Opaque RS-117 Synthetic Bone Opaque RS-117T Synthetic Bone Transparent

Student Technology Fee

Grant Proposal

2008.021

2007-08

tabled
1) PC quote
2) license
3) network/standalone

Dr. Jim McCrory

Approved

Denied

quote
The PC does not appear to be from a state contract

Comment:

~~The cost of the PC (\$1431.84)~~

Diana Hamilton

Approved

Denied

Comment:

Gary Gatch

Approved

Denied

Comment:

Mike McDonald

Approved

Denied

Comment:

invalid E-Quote appears not to be State Contract

Dale Martin

Approved

Denied

Comment:

Wij

Student Technology Fee
Funding Proposal Request From
Fiscal Year 2006-07
Northwestern State University of Louisiana

2008.021

#5 2.H.

Prepared by: D. Owens, T. Johnson, J. Quiros, D. Green (American Society for Microbiology Club President, Life Science Club President, Beta Beta Beta President, and JOVE Representative, respectively)
(Officer Rep of Biology Clubs)

M. Land, Ph.D., Supervising Faculty For: Biological Sciences

Department/Unit: Biological Sciences College: Science and Technology Campus: Natchitoches

Which NSTEP Goals/Objectives does this project meet? Goals/Objectives 1, 3, and 8

Requested equipment will be located/installed/housed? Building 90 (Bienvenu Hall) Room 226A

Are department property policies and procedures in place for requested equipment? Yes

Which individual will be responsible for property control of the requested equipment? M. Land, Ph.D.

Signature: D. Owens M. Land Date: 31 Oct 07

Grant Proposal Requested Amount: \$ 48,472.08 Budget Attached (circle one): YES/NO

Grant delivered to Student Technology located in Watson Library, Room 113. Date: 31 October 2007

This grant proposal must include all specifications, description, model number, quotation, cost, state contract number, and vendor for each item. Proposal will be returned if information is not included in full.

1. Describe target audience

The target audience for this project is undergraduate students of the Department of Biological Sciences (618 Biology Majors and 725 Vet Tech Majors) and any other department that take laboratory courses offered by the Department of Biological Sciences. Also, undergraduate students conducting faculty-supervised, independent research (such as those students involved in Beta Beta Beta and JOVE) will use the requested equipment. Furthermore, any student who desired to use the requested equipment for a class or laboratory assignment or for an independent research project will have access. In short, any undergraduate student at Northwestern State University will have access to the requested equipment.

2. Describe project/initiative for which you are requesting funds.

We are seeking to obtain digital microscopy equipment that will complement the technology we currently have access to in our department. The acquisition of such equipment will provide NSU students will access to the most technically advanced microscopy equipment (with the exception of electron or confocal microscopy equipment). The requested equipment can capture analog microscopic images and store those images digitally without loss of resolution and without the need for an external camera source.

To enhance the experience of laboratory and research students, the following equipment is requested:

1. A brightfield/epifluorescent digital microscope capable of capturing highly resolved images of protozoa and bacteria. This microscope is also capable of detecting fluorescently-tagged proteins that have been generated for use in undergraduate student research projects.
2. A digital microscope with darkfield and phase-contrast capabilities. This microscope will be used to examine parasites and bacteria that have specialized forms of motility.
3. A digital, inverted microscope capable of resolving the morphology of mammalian cells in culture.
4. A digital, dissecting microscope with the resolution capacity needed to perform invertebrate dissection as well as zygote and invertebrate sorting.
5. A computer capable of processing the digital images created using the above-described microscopes. This computer must have the appropriate speed and power needed to run the necessary image analysis software.

3. State measurable objectives that will be used to determine the impact/effectiveness of the project.

A) Students that are in microscopy-intensive courses (such as MBIO2061, MBIO3091, MBIO4121, and MBIO4211) will use the above-described microscopes to capture digital images their specimens. These images will be stored either on a flash drive or on the departmental server. The digital images can be used to create a CD record of student-generated images. Such methods will promote a student-driven, self-directed, and "student-owned" learning system.

B) Students will have access to a database containing a compilation of the above-described images. These images, which are generated from different slides/projects using different techniques, can be used to detect a slight differences or changes in specimens.

C) Undergraduate student researchers (either in the JOVE program and registered in MBIO4950 independent research courses) will have access to the requested equipment. This access will enhance their research capabilities as well as their technical skill sets, two very important attributes for students interested in persuing graduate or profession schools. In the past, undergraduate students from the Department of Biological Sciences have given presentations at Research Day, at monthly JOVE meetings, and/or at regional meetings. Their research posters and/or Power Point presentations, which will contain images captured using the requested equipment, will be available for review.

4. Indicate how each objective will be evaluated.

1. A log will be maintained to record the microscope/computer usage for courses. Entries will include professor, course, and student user names. The digitized images created using the requested equipment will be burned onto a CD and/or kept on the departmental server. These saved images will be available for student review and study. Additionally, professors can design lesson plans involving the gathering of data in a laboratory setting, and the generated results can be manipulated and interpreted.

2 and 3. A log will be maintained to record the microscope/computer usage for research. Entries will include student and faculty research advisor names. The captured images can be used as data in either research publications or presentations at professional meetings. These images can also be used by professors interested in developing educational PowerPoint presentations and/or on-line learning exercises.

5. If funded, which NSTEP <http://www.nsula.edu/nstep/NSTEP.pdf> objective(s) will this funding of this project advance? How will funding of the project advance the University and College/Unit technology plan?

NSTEP Objectives

1. *To improve access to technology by students, faculty and staff at NSU.*

With the purchase of the requested equipment, the students and faculty of the Department of Biological Sciences will be able to perform technologically-advanced digital microscopic imaging. This equipment will not replace outdated equipment, but rather will fill a void in the technologies currently available in the Department.

#3. *To upgrade student technology laboratories with modern technology*

Students currently enrolled in microscopy-intensive courses (as outlined above) currently have no means with which to capture advanced, highly-resolved images. Given that microscope usage plays a critical role in the biological investigations performed in these classes, the requested equipment is desperately needed to teach students how to capture and manipulate high-quality microscopic images for study, reports, and/or presentations.

#8. *To encourage Innovation and research*

A. Over the last five years, Drs. Land, Akin, Osborn, and Hatahet have had approximately thirty students present research projects at national or regional scientific meetings. Nearly all of these projects involved some microscopy component. While data was generated, it was often presented in either verbal or written form as adequate microscopic images were not available. In the cases in which images were used, they were obtained using 35mm camera adaptors on oculars or using an Intel Explorer scope (a children's microscope from Toys-R-Us). As a direct result of these limitations, research has not been directed in areas that require extensive microscopy techniques.

The addition of new faculty members has introduced another the need for microscopy (examination of tissue cultures and other cell manipulations). This acquisition of the requested equipment will provide students with additional opportunities to investigate new areas of research and give both students and faculty members more the latitude in project exploration and grant writing involving microscopy-intensive interests.

B. By acquiring this equipment and achieving the above-described NSTEP goals, the goals of the university will also met and enhanced.

6. Provide a justification for funding the project. Estimate the number of students that will be served per academic year and in what ways. Please indicate also any unique needs of the target group.

The requested equipment will compliment several facets of the Department of Biological Sciences. Each of the requested microscopes has a unique use, and their usage in each class or research area will vary. However, the courses that could benefit from the use of the requested equipment are as follows:

Introductory Microbiology Lab – 4 sections ~30 students/section – every Fall and Spring

Pathogenic Microbiology – 2 sections ~30 students/section – every Fall

Invertebrate Zoology – 1 section ~30 students/section – every Fall

Virology – 1 section ~ 30 students/section every Fall

Parasitology – 2 sections ~ 30 students/section – Every Fall – VTEC course

Forensic Entomology – 1 section ~ 20 students/section every Fall

Immunology – 2 sections ~30 students/section – Spring

Food Microbiology – 1 section ~ 30 students/section – Spring

Botany – 2 sections ~ 30 students every spring/section – 1 session in the summer
Hematology (Vet Hospital Tech) – 1 section ~ 30 students/section every Spring– VTEC course
Applied Microbiology – 1 section ~ 30 students/section – every other Spring
Limnology – 1 section ~ 20 students/section – every other Spring
Entomology – 1 section ~ 20 students/section every Spring
Histology – 1 section ~ 30 students/section every Summer

MBIO/ZOOL4950 Independent Research – Drs. Akin, Land, Osborn, Lemoine and Hatahet – while the number of enrolled students vary from semester-to-semester and year-to-year (due to graduation and recruitment of new students), each professor typically has 5 to 10 students working on independent research projects.

7. List those individuals who will be responsible for the implementation of the project/initiative and indicate their demonstrated abilities to accomplish the objectives of the project?

Each listed officer or designated individual from the described group will be responsible for collecting and coordinating the digital images, and categorizing and providing study CDs for courses as images are generated

Dr. Land will be responsible for ordering the equipment and informing the appropriate faculty. Dr. Land has previously received internal and external funding and has completed all tasks required by the granting agencies.

8. Describe any personnel (technical or otherwise) required to support the project/initiative.

No specific personnel will be required for the project (other than the professors who will instruct the students on the proper use of the equipment).

9. Provide a schedule for implementation and evaluation.

As soon as the monies are appropriated, the equipment will be ordered. All requested equipment can be purchased from state contract vendors. Therefore, time for bidding will not be needed and no special expertise will be needed for installation of the equipment. Implementation will be immediate.

Evaluation of this project will include the user log book, the study CDs generated from student images, the images stored on the departmental server, and the posters/presentations organized by student researchers.

10. Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five years.

The expected life-span of a microscope is twenty years. These scopes will have very long service lives. The software and requested computer have an estimated life of five years. There are no expected upgrades for the software.

11. Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received through a Student Tech Fee grant

The equipment will be housed in Room 226A in Bienvenu Hall. This room is readily accessible but on a different lock tumbler from the rest of Bienvenu Hall. Only biology professors have a key to this room.

Yes Is all information requested provided (items 1 – 11)?

Yes Is a detailed budget attached?

Yes Are all specifications, description, model number, quotation, cost, state contract number, and vendor provided for each item?

Yes Are your two (2) letters of support attached?

NA If equipment is to be checked-out/loaned, is your policy attached?

DETAILED BUDGET –		
<i>State Contract Computer Specification Pages to follow</i>		
Fisher Scientific – On State Contract		
1. Digital Fluorescent Microscope	# 12-070-611	\$31,485.00
2. Digital Dissecting Scope	#12-564-163	\$6,639.00
3. Digital Inverted	Scope # 12-575-252	\$5,800.00
VWR – On State Contract		
4. Laboratory Microscope, Planachromatic	#19000-136	\$1,386.90
5. 40x Phase Contrast Attachment	#19000-064	33.12
6. Darkfield Attachment	#19000-070	33.12
7. Phase Contrast Attachment	# 19000-068	869.40
Planachromatic Obj 4x/0.1	# 19000-046	22.36
Planachromatic Obj 10x/0.25	# 19000-048	40.58
Planachromatic Obj 20x/0.45	# 19000-050	81.98
Planachromatic Obj 40x/0.65	# 19000-052	84.46
Planachromatic Obj 60x/0.85	# 19000-054	124.20
Planachromatic Obj 100x/1.25	# 19000-056	129.17
Widefield Eyepieces wf10x,18mm	# 19000-030	24.84
Widefield Eyepieces wf10x,20mm	# 19000-032	31.46
Widefield Eyepieces wf 15x,20mm	# 19000-090	34.78
Widefield Eyepieces wf 20x11mm	# 19000-034	36.43
Moticap Capture Card	19000-152	181.34
		47,037.24
Dell - Optiplex 755 Desktop	E-Quote Number: E008828982	\$1,434.84
		Total 48,472.08

This equipment is NOT to be checked out



STUDENT GOVERNMENT ASSOCIATION

NORTHWESTERN STATE UNIVERSITY

A Member of the University of Louisiana System

Natchitoches, Louisiana

318.357.4501

October 30, 2007

Student Technology Advisory Team:

I fully support the efforts of the Biology Department to seek and obtain funding from the Student Technology Fund to upgrade their microscopes. This project would be most beneficial to our students and will allow our students to have access to top quality equipment. This project will serve to enhance the new equipment obtained by the Biology Department and better the academic research of our students.

Respectfully Yours,

Shayne Creppel

President

Northwestern State University

Student Government Association

Jonken
Demans



DEPARTMENT OF BIOLOGICAL SCIENCES
COLLEGE OF SCIENCE & TECHNOLOGY
Phone (318) 357-5323, Fax (318) 357-4518



October 31, 2007

Ms. Jennifer Long Martin
Student Technology Support
113D Watson Library

Dear Ms. Long Martin

I am writing to support this application for this Student Technology Fee grant.

The American society for Microbiology Club, Life Science Club, and Beta Beta Beta, are sponsoring this application to purchase several state of the art digital microscopes. The selection should cover the needs for a wide array of microscopic analyses, including fluorescently tagged molecule, bacteria, and animal cells. Purchase of such equipment will significantly enhance the technology content in the department and put us on even keel with larger research universities.

Thank for your continued support of the Department of Biological Sciences.

A handwritten signature in cursive script, appearing to read "Zafer Hatahet".

Zafer Hatahet, Ph.D.
Professor and Head

Carl Zeiss* Axio* Imager* D1 Digital Imaging Microscopes > Darkfield, fluorescence, multi-application

Microscope, Digital Imaging; Axio Imager D1; Carl Zeiss; darkfield, fluorescence, multi-application

[See details](#)

Includes:

- Stand, Ergo phototube, eyepieces, 75 x 50mm mechanical stage, right-hand z-drive, specimen holder, objectives listed above, condenser, 12V 100w bulb, light manager, conversion and white balance filters, filter wheel and filter set, dust cover, manual
- AxioImager D1 Microscope for Brightfield and Epi-Flourescence adds: fluorescence shutter, slider with field disphragm, attenuator, 6X turret; fluorescence cube and filter sets 01 EX BP 365/12, 10 EX BP450-490, 15 EX BP 546/12; antiglare screen, HBO burner, lamp and power supply

Item Details Accessories

Description	Catalog Number	Quantity	Price
Darkfield, fluorescence, multi-application	12-070-611 Carl Zeiss No.:43000101	1	Each for \$31,485.00

Fisher Stereomaster* Digital Zoom LCD Viewing Systems > LCD Monocular, 5.6X to 52X zoom range; Fiber optic illumination dual gooseneck light guides.

Fisher Stereomaster* Digital Zoom LCD Viewing System with Boom Stand

[See details](#)

Required Accessories : System Requirements

USB 1.1 Recommended Requirements: PC with Pentium* II, 266MHz processor or higher, Windows* 98, 2000, ME or XP operating system, USB 1.1 port, 256MB RAM

Item Details Accessories

Description	Catalog Number	Quantity	Price
LCD Monocular, 5.6X to 52X zoom range; Fiber optic illumination dual gooseneck light guides.	12-564-163	<input type="text"/>	Each for \$6,639.00

Fisher Micromaster* Digital Inverted Microscope with Infinity Optics > Inverted Microscope with Infinity Optics, digital camera integrated into body, Micron software, USB 2.0 connection. Objectives: 4X brightfield, 10X phase, 20X phase. Body: Binocular.



Fisher Micromaster* Digital Inverted Microscope with Infinity Optics, digital camera integrated into body, Micron software, USB 2.0 connection. Objectives: 4X brightfield, 10X phase, 20X phase. Body: Binocular.

[See details](#)

12-575-250

Item Details Images Accessories

Description	Catalog Number	Quantity	Price
Inverted Microscope with Infinity Optics, digital camera	12-575-252	<input type="text"/>	Each for \$5,800.00

Digital Compound Microscopes, Motic*

, *Digital*



Supplier: Motic



These all-in-one concept microscopes combine a routine laboratory or university microscope with a built-in high resolution 8.5mm ($\frac{1}{3}$ ") CCD camera, which can produce images on TVs and monitors with approximately 80% field of view through the eyepiece. A built-in grabber converts an analog signal to digital signal. The precise graduation of the low position coaxial control mechanical stage allows quick finding and marking of specific areas on the slide. The stage has a travel range of 76x50mm (X-Y), graduated to 1mm with vernier reading to 0.1mm. The ball bearing-mounted, reversed quintuple nosepiece has a ribbed grip for easy rotation and is positioned closer to the microscope body for easy access to the specimen.

The laboratory microscopes feature a Siedentopf trinocular phototube inclined at 30°; 12V, 20W halogen Koehler illumination; plug and play computer applications with simple USB plug; slide-in, centerable 1.25 Abbe condenser with Iris diaphragm for maximum flexibility; and the Motic Images 2000 user-friendly image processing and analyzing software. Microscopes are available with achromatic or planachromatic objectives.

The university microscope features a Jentzsch trinocular phototube inclined at 30°; 12V, 20W halogen illumination; 1.25 Abbe condenser with Iris diaphragm for maximum flexibility; and the Motic Images 2000 user-friendly image processing and analyzing software.

The high-quality phase contrast unit (**19000-068**) consists of centerable five-position condenser; brightfield, phase 10x, 20x, 40x, and 100x oil objectives; and four basic planachromatic 10x, 20x, 40x, and 100x phase objectives. The optional Moticap capture card (**19000-152**) allows a real time image size of 640x480 pixels, provides 30 frames per second transmission speed, and has twain drivers for still image capturing.

Ordering Information: Supplied with USB, S-Video, and RCA video cables. Microscopes include eyepieces; 4x, 10x, 40x (spring), and 100x (spring, oil) objectives; and a dust cover. For additional accessories and options, contact your VWR sales representative.

[ADD TO BASKET](#) [VIEW SHOPPING BASKET](#)

Description	Motic No.	VWR Catalog#	Unit	Your Price	Qty
Laboratory Microscope, Planachromatic	DB86.535.101	19000-136	Each	\$1,386.90	

5, 6 & 7

Phase Contrast and Darkfield Accessories

40x Phase Contrast Attachment	SW01.1833B	19000-064	Each	\$33.12	0
Darkfield Attachment	SW01.2391B	19000-070	Each	\$33.12	0
High-Quality Phase Contrast Unit	RSO8.000005A	19000-068	Each	\$869.40	

8

Planachromatic Objectives

4x/0.1		SG01.S01222	19000-046	Each	\$22.36	0
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60x/0.85 (Spring)	SG01.S05222	19000-054	Each	\$124.20	0
100x/1.25 (Spring, Oil)	SG01.S06222	19000-056	Each	\$129.17	0
Widefield Eyepieces					
WF10x, 18 mm	SG02.S0105	19000-030	Each	\$24.84	0
WF10x, 20 mm	SG02.S0121	19000-032	Each	\$31.46	0
WF15x, 20 mm	SG02.S0204	19000-090	Each	\$34.78	0
WF20x, 11 mm	SG02.S0405	19000-034	Each	\$36.43	
Moticap L320 PCI Capture Card	C001.02101	19000-152	Each	\$181.34	

7



Optiplex 755 Desktop with Monitor
Optiplex 755 Desktop

\$1,434.84

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Configuration Details

Date	10/30/2007 4:04 PM
Catalog Number	84 Retail RC961325
OptiPlex 755 Desktop	Intel® Core™ 2 Duo Processor E4400 (2.0GHz, 2M, 800MHz FSB) 7520D - [223-0600]
Operating System(s)	Genuine Windows® XP Professional, SP2, x32, with Media, English XPP232E - [420-6287]
Ship Packaging Options	Shipping Material for System, Desktop DTSHIP - [310-9331]
Installation Support Services	No Onsite System Setup NOINSTL - [900-9987]

Basic Systems Management Mode	ASF Basic Hardware Enabled Systems Management BCSM - [310-9492]
File System	NTFS File System for all Operating Systems NTFS - [420-3699]
Memory	2GB DDR2 Non-ECC SDRAM,667MHz, (2 DIMM) 2G2N62 - [311-7440]
Video Card	256MB ATI Radeon 2400 XT, Dual Monitor DVI or VGA (TV-out), low profile 256VAIL - [320-5744]
Monitors	Dell 24 inch UltraSharp™ 2407FPW-HC Widescreen, Adjustable Stand, VGA/ 2407HCW - [320-5643]
Keyboard	Dell USB Keyboard, No Hot Keys EUSB - [310-8010]
Mouse	Dell USB 2-Button Optical Mouse with Scroll, Black USBO - [310-8009]
Boot Hard Drives	80GB SATA 3.0Gb/s and 8MB DataBurst Cache™ 80S - [341-5472]
Floppy Drive and Media Reader	No Floppy Drive NFDENH - [341-4072]
Speakers	Internal Dell Business Audio Speaker INTSPK - [313-3351]
Removable Media Storage Devices	16X DVD+/-RW SATA, Roxio Creator™ CyberlinkPowerDVD™ DRM16 - [313-5427]

Resource CD and DVD

Resources CD contains Diagnostics and Driver for Dell OptiPlex Systems
RCD - [310-9380]

Dell Energy Smart

Dell Energy Smart Enable
ESMART - [310-9504]

Hardware Support Services

5 Year NBD Plus (NBD onsite w/ Gold Tech Support)
PUB5YR - [465-5281 980-0344 983-6790 987-1247 987-1257 987-9069 987-9237 987-9238]

Asset Tag on System Chassis (CFI)

GTS Medium Asset Tag WITHOUT Customer Name (TAG 10)
TAG10 - [365-1392]

Optiplex 755 Desktop with Monitor

Optiplex 755 Desktop

\$1,434.84

Student Technology Fee
Surplus Request Form
Fiscal Year 2007-08
Northwestern State University of Louisiana

ALL BLANKS MUST BE FILLED COMPLETELY

Prepared by: Mary Brocato and David Antilley II For: NSU22 Television/Journalism

Department/Unit: Journalism College: Liberal Arts Campus: Natchitoches

Which NSTEP Goals/Objectives does this project meet? 1, 2, 3, 5 & 7

Requested equipment will be located/installed/housed? Building: K yser Hall Room: 142

Are department property policies and procedures in place for requested equipment? Yes

Which individual will be responsible for property control of the requested equipment?

David Antilley II and Adam Caldwell

Signature: David Antilley II Date: 4-30-08

Signature: Mary Brocato Date: 4-30-08

Proposal Requested Amount: \$ 109,391.00 Budget Attached (circle one): YES/NO

Proposal delivered to Student Technology located in Watson Library, Room 113. Date May 1, 2008

The proposal must include all specifications, description, model number, quotation, cost, state contract number, and vendor for each item. If the proposal does not include all requested information, it will be returned to requestor.

- | |
|--|
| <p>1. Describe target audience.</p> <p>Northwestern State University journalism majors and minors as well as any non-journalism students (such as education majors seeking certification to teach journalism) taking classes in the Journalism Department are the target audience. Any Northwestern student using the studio classroom where the equipment is located. The residents of the city of Natchitoches and the students of Northwestern State University who view NSU22.</p> |
| <p>2. Describe project/initiative for which you are requesting funds.</p> <p>The students in the broadcast journalism classes will use the new equipment in the production of classroom assignments and projects. With the purchase of new digital equipment, we would be</p> |

able to provide students opportunities to train on state-of-the-art equipment and be competitive with students from other journalism and mass communication departments around the state and country. The new equipment in the studio will help faculty and visiting speakers to be able to use PowerPoint and Internet on presentations and lectures.

3. State measurable objectives that will be used to determine the impact/effectiveness of the project.

- A. Student projects and assignments will be used to determine the impact/effectiveness of the equipment to be used in the studio, editing room and ENG equipment.
- B. All students taking appropriate journalism classes will complete semester reviews of classes and teachers.
- C. All students taking classes in the Kyser Hall room 142 will complete semester reviews of classes and teachers.
- D. All students attending journalism department lectures in the studio complete reviews of the lecture for the journalism department to use in accreditation documentation.

4. Indicate how each project objective will be evaluated.

- A. Student projects and assignments will be used to determine the impact/effectiveness of the equipment to be used in the studio, editing room and ENG equipment.
- B. All students taking classes in the Kyser Hall room 142 will complete semester reviews of classes and teachers.
- C. NSU22 staff will watch and listen to reviews of the programs and the quality of the output of NSU22 programming.
- D. All students attending journalism department lectures in the studio complete reviews of the lecture for the journalism department to use in accreditation documentation.

5. If funded, which NSTEP <http://www.nsula.edu/nstep/NSTEP.pdf> objective(s) will this funding of this project advance. How will funding of the project advance the University and College/unit technology plan?

The objective that will be advanced if these projects are funded include:

- 1. To improve access to technology by students, faculty, and staff at Northwestern State University. (TV Studio Kyser Hall Room 142, TV Control Room Kyser Hall Room 142A and Editing Room Kyser Hall Room 104)
- 2. To provide classrooms with updated technology and multimedia. (TV Studio Kyser Hall Room 142 and Editing Room Kyser Hall Room 104)
- 3. To upgrade student technology laboratories with modern technology. (TV Studio Kyser Hall Room 142, TV Control Room Kyser Hall Room 142A and Editing Room Kyser Hall Room 104)
- 5. To upgrade and maintain the campus communication network and infrastructure. (TV Studio Kyser Hall Room 142 and TV Control Room Kyser Hall Room 142A)
- 7. To establish processes that encourage technology initiatives by faculty, staff, and students. (TV Studio Kyser Hall Room 142, TV Control Room Kyser Hall Room 142A and Editing Room Kyser Hall Room 104)

With the funding of these projects the university would be upgrading not only equipment for students' use but also the upgrade for the quality of production of NSU22. NSU22 can broadcast over Sudden Link Cable 24 hours a day and can provide students and the citizens of Natchitoches any information that the university needs to broadcast. With the flip of a switch, the president of NSU, the chief of police or any other emergency official can broadcast over the air. The upgrade will enable NSU 22 to transmit a broadcast quality product that will be seen and heard without any dropouts or distortion. NSU22 will be able to broadcast PowerPoint and Internet feeds on the air to the public. NSU22 will once again be able to do live remotes in the editing room 104 giving students the necessary training to compete in the world of broadcast journalism.

6. Provide a justification for funding of this project. Estimate the number of student that will be served per academic year and in what ways. Please indicate also any unique needs of the target group.

If our students are to remain competitive for jobs in the journalism field, they need to learn everything that they might have to do in the field of broadcast journalism before they graduate from NSU.

- A. Each semester over 40 students will use the ENG equipment located in Kyser Hall room 104D to work on projects for there classes.
- B. TV Studio Kyser Hall room 142 is used by not only the journalism department but also other departments on campus for teaching classes and giving lectures to the university and general public. The room is used around the clock every day of the school week. Average class size in this room is around 20 students and the studio can hold up to 200 for lectures.
- C. NSU22 is broadcast over Sudden Link Cable Company in Natchitoches and reaches about 10,000 households. NSU22 is watched by NSU students and the residents of the city of Natchitoches. During Hurricane Rita, NSU22 aired around-the-clock weather information about the hurricane and its locations until the electricity failed and we were forced off the air. This was the only local weather information provided. NSU22 provided the citizens of this community and the students of NSU the information they need to help them plan for the hurricane. NSU22 was on the TV at the Chili's restaurant until the university lost power and was forced off the air.

7. List those individuals who will be responsible for the implementation of the project/initiative and indicate their demonstrated abilities to accomplish the objectives of the project.

- A. David Antilley II, director of NSU22, and Adam Caldwell, broadcast technician, will be responsible for the editing equipment and transmitter room equipment. David has been at NSU since 1992 and has worked with TV equipment for more then 25 years. Adam has been at NSU since 2006 and has worked with TV equipment for more then 10 years.
- B. Mary Brocato is the broadcast director in the journalism department and has worked in the TV industry and education for more then 30 years.

8. Describe any personnel (technical or otherwise) required to support the project/initiative.

Student workers and practicum students will help the staff mentioned above with the day-to-day

operation of the editing equipment and transmitter equipment.

9. Provide a schedule for implementation and evaluation.

- A. The equipment will be set up as soon as it is received by the department. The equipment will go into use as soon as it is set up and checked out to make sure everything is running correctly.
- B. Evaluations will take place as soon as students start using the equipment. Evaluations will be conducted weekly by the teachers in charge of the classes using the equipment and by NSU22 staff. Projects that the students will be working on include promotional videos for the departments on campus, university 30 second PSA's, news packages for NSU22 News, student produced documentaries and features in magazine format shows, and 30 minute student run talk show about NSU.

10. Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five years.

The estimated lifespan of the equipment is about 10 to 12 years on the studio equipment and 12 to 15 on the ENG equipment. DVD machines might have to be purchased every 4 to 5 years for the studio equipment because of excessive wear and tear on the equipment. Upgrades for the studio equipment can always be purchased if needed but none is required to do the basic production at the present time.

11. Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received through a Student Technology Fee.

If you are requesting equipment that will be either/or checkout to students or moved within the department, you must provide a checkout/loan policy.

- A. The equipment will be locked up in Kyser Hall room 142 and 142A at night and is not allowed outside of the room. The equipment is stationary equipment and not meant to be moved from the room.
- B. The ENG equipment will be placed in Kyser Hall room 104D and will remain there until checked out by students. Students fill out an equipment checkout form to remove equipment from the room. The room is only accessible to NSU22 staff. (Checkout form is provided)

Attach two (2) letters of support for the project from the following individuals: the requesting department's Dean, the appropriate Vice President (for non-academic units), or the SGA President from the requesting campus (for student requests).

Student Technology Fee Request for Surplus Funding Checklist:

- Is all information requested provided (items 1 – 11)?
- Is a detailed budget attached?

- _____ I s all specifications, description, model number, quotation, cost, state contract number, and vendor provided for each item?
- _____ Are your two (2) letters of support attached?
- _____ I f equipment is to be checked-out/loaned, is your policy attached?

1. Monitors (B&H Photo Video and Best Buy): **Total \$14,300**

(2) Pioneer PDP-6010FD 60" plasma display (\$6,500)

(2) Omni Mount Dual-Arm Flat Panel TV Wall Mount brackets (\$650) Circuit City

These monitors will replace old monitors in the television studio.

2. Converters (Compumodules.com, dvwarehouse.com, sB&H Photo Video and Provideosound.com): **Total \$10,193**

(1) Scan Do Pro II/D with SDI (VGA to SDI) converter (\$3,395)

This will allow us to show PowerPoint through the switcher and on our projector.

(2) AJA FS1 Video Converter (\$3,399 each)

These allow us to utilize expensive analog equipment that currently is sitting unused.

3. DVD Players (JVB Digital): **Total \$2,000**

(2) Denon DVD-2910 with SDI Upgrade (\$1,000 each.) \$2,000

(The company will have to make the player SDI compatible before shipping.)

These broadcast quality players will allow our studio to play DVDs through our digital system.

4. Command Center (Creative Presentations): **Total \$18,070**

(1) Creative Presentations Multimedia Podium – (\$18,070)

This command center will allow a lecturer to select a video and audio source (DVD, Computer, etc.) to play on the studio's projector, act as a podium from which to teach, and control the flow of the lesson. Plant services would need to run power and internet connections in the television studio floor to furnish the command center appropriately. (Not included in total price)

5. Mics (B&H Photo Video & Provideosound.com): **Total \$6,000**

(30) Sony ECM-44B - Omni-Directional Lavalier Condenser Microphone (\$200 each)

To replace worn out lavalier microphones and provide microphones to our additional sets and outfit eng camcorders.

6. Studio Camera Packages (B&H Photo Video, globalmediapro.com, broadcaststore.com and big10media.com): **Total \$58,828**

(2) Sony DXC-D50WSL studio camera (\$11,200)

(2) Fujinon A20x8.6BRM 2/3"20:1 (8.6-172mm) Internal Focus, ENG/EFP Lens (\$2,800)

(2) Sony CA-D50 SDI Camera Adaptor (\$1,520)

(2) Vinten VISION 11 Aluminum Tripod System (\$5,355)

(2) Sony CCU-D50 multicore camera controllers (\$2,450)

(2) Sony RCP-D50 remote controllers (\$2,900)

(2) Sony CCZAD100 Multi-Core SDI Cable (300') (\$1,590)

(2) DXF-51 viewfinders (\$1,599)

To allow for an extra camera input in the studio, allowing us to have cameras for all sets and for guest lectures. These items must be bought together.

Total Price to Fund: \$109,391

Budget for Grant Proposal

Item	Quantity	Description	Unit Price	Total Price
1	2	Pioneer PDP-6010FD Plasma Monitor	\$6,500.00	\$13,000.00
2	2	Omni Mount Dual-Arm Flat Panel TV Wall Mount Bracket	\$650.00	\$1,300.00
3	1	Scan Do Pro II/D with SDI Converter	\$3,395.00	\$3,395.00
4	2	AJA FSI Video Converter	\$3,399.00	\$6,798.00
5	2	Denon DVD-2910 with SDI Upgrade	\$1,000.00	\$2,000.00
6	1	Creative Presentation Multimedia Podium Comm. Center	\$18,070.00	\$18,070.00
7	30	Sony ECM-44B Lavalier Condenser Microphone	\$200.00	\$6,000.00
8	2	Sony DXC-D50WSL Studio Camera	\$11,200.00	\$22,400.00
9	2	Fujinon A20X8.6 BRM 2/3"20:1 Internal Focus Lens	\$2,800.00	\$5,600.00
10	2	Sony CA-D50 SDI Camera Adaptor	\$1,520.00	\$3,040.00
11	2	Vinten Vision 11 Aluminum Tripod System	\$5,355.00	\$10,710.00
12	2	Sony CCU-D50 Multicore Camera Controllers	\$2,450.00	\$4,900.00
13	2	Sony RCP-D50 Remote Controllers	\$2,900.00	\$5,800.00
14	2	Sony CCZAD 100 Multi-Core SDI Cable (300')	\$1,590.00	\$3,180.00
15	2	DXF-51 Viewfinder	\$1,599.00	\$3,198.00
			Total Cost:	\$109,391.00

Items 8-15 are for two complete studio cameras.



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Pioneer - KURO 60" 1080p Flat-Panel Plasma HDTV

Model: PDP-6010FD | SKU: 8483456

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- 16:9 widescreen aspect ratio with wide, zoom, cinema, full, 4:3 and dot-by-dot viewing modes for a cinematic entertainment experience; Advanced PureCinema with 3:3 pulldown for accurate reproduction of film-based sources
- Optimum Mode with optical light sensor automatically adjusts picture display for varying light conditions and programming type for enhanced picture quality
- ASIC video processing and scaling technology for improved HD and standard-definition image enhancement
- After-image reduction functions, including auto size, side mask detection, side mask brightness, seamless orbiter and video pattern, help reduce video processing artifacts to enhance picture quality
- 3D digital comb filter delivers state-of-the-art detail and color enhancement
- Other advanced image enhancement technologies include color temperature adjustment, digital noise reduction, field noise reduction, digital color transient improver, black level, gamma and more
- Two 2-way 17W detachable speakers with stereo digital amplifier recreate the experience of cinema sound; SRS WOW, FOCUS and TruBass Surround Sound audio
- Ultraslim design measures less than 5" and is ideal for wall mounting (with optional mounting kit, not included)
- Progressive scanning maximizes the picture quality of progressive-scan DVD players, set-top boxes and digital video recorders
- 4 HDMI inputs provide an uncompressed all-digital audio/video link for the highest-quality connection and supports copy-protected HD broadcast content
- USB 2.0 port input for quick connection of a digital camera or other USB device
- PC input lets you connect to a computer to experience high-definition visuals
- Inputs: 4 HDMI, 1 S-video, 1 USB, 2 component video, 3 composite video, 2 RF antenna, 1 PC
- Outputs: 1 optical digital audio, 2 analog audio, 1 subwoofer, 1 headphone, 1 monitor audio

exposed to undesirable material

- Home Gallery feature lets you connect your digital camera or other photo peripheral to the display via USB connection to view your digital photos
- Other convenient features include 4-position picture-in-picture and TV Guide On-screen interactive program guide
- What's in the box: 60" flat-panel plasma HDTV, stand, detachable speakers, remote and batteries

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Pioneer PDP-6010FD 60" 1080p Plasma HDTV with 4 HDMI inputs, CableCARD, DCR, USB

Mfr# PDP-6010FD • B&H# PIPDP6010FD

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The PDP-6010FD 60" 1080p Plasma HDTV from Pioneer will thrill your senses with breathtaking imagery and sounds. The true 1080p resolution plasma display in 16:9 will exhibit movies and HD content in your home with incredible detail and contrast. The CableCARD slot will eliminate the need for another bulky cable box and the built-in ATSC/NTSC tuners mean you will be able to receive terrestrial analog and digital signals as well. 34W of digital power will course through the 2-Way TruBass speakers with SRS technology for realistic sounds and the subwoofer output makes it easy to add a powered subwoofer. The PDP-6010FD has flexible input options such as 4 HDMI ports, Component, Composite, S-Video, USB and even VGA for your PC.

Key Features

1080p Resolution with Crystal Emissive Layer

The PDP-6010FD has an ultra high resolution panel for viewing 1080p, the highest quality form of HDTV available. This progressive format produces crystal clear imagery with no interlacing artifacts. The crystal emissive layer will create more intense blacks with added detail and clarity.

3:3 Pulldown

Pull down is a technique by which specific frequency signals, usually 60i fields, are brought down to 24



progressive frames. This rate of motion is highly sought after since almost all cinema is shot at 24 frames per second. Most displays perform a 3:2 pull down which results in uneven field reproduction. While this method helps create the desired effect, motion often appears to jitter unevenly. Pioneer has developed a 3:3 pull down technique by increasing the plasmas frequency rate from 60Hz to 72Hz. The increase makes it much easier for the monitor to display images at films native speed of 24 fps.

- **CableCard Slot**

Helping to declutter your home entertainment center, the PDP-6010FD is Digital Cable Ready (DCR). If you are a cable subscriber using a set-top box, you can request a CableCARD from your provider. The CableCARD is inserted into the TV's rear-panel CableCARD slot.

- **USB port**

Watch a slideshow of your favorite JPEGs with the Home Gallery feature.

- **Detachable Bottom Speaker**

The bottom speaker is detachable and features an integrated 34W digital amplifier for hi-fi sound with TruBass SRS WOW.

- **Room Light Sensor**

The PDP-6010FD automatically adjusts for day or night time viewing.

- **4 HDMI inputs**

4 separate HDMI inputs (2 with analog audio input) allow for easy integration with your HDMI compliant devices for 1080p signals without signal loss or distortion.

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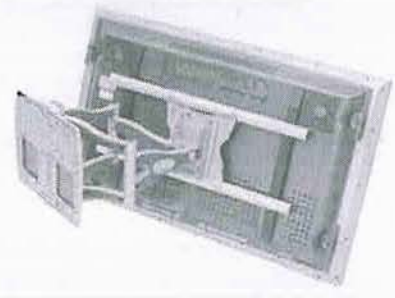
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Product description

OmniMount Dual-Arm Cantilever Flat Panel TV Wall Mount

Features

Universal flat panel TV mount: The included adapter plate allows you to attach your plasma or LCD TV to the wall with full extension and 180° lateral rotation. A hardware kit is included.

Sturdy and movable: The double-wishbone cantilever design securely supports your large flat screen TV. It extends out up to 28" from the wall, or can be folded to extend just 6.2".

Weight capacity: 200 lbs.

Note: TV is not included.

[top of page](#)

Specifications

OmniMount Dual-Arm Cantilever Flat Panel TV Wall Mount

General features

Finish N/A

TV size supported (most TVs)	Flat panel TVs from 42"-63"
Adapter plate required	Included
Maximum load capacity	200 lbs.
Dedicated media storage	No
Assembly notes	Please be aware that most furniture requires assembly, unless otherwise noted
Missing/damaged parts phone number:	OmniMount: 800-668-6848
UPC	728901014956
Manufacturer's part number	UCL-X
Dimensions	
Height	21.5 inches
Width	32.0 inches
Depth	28.0 inches

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Customer ratings and reviews

OmniMount Dual-Arm Cantilever Flat Panel TV Wall Mount

Average customer ratings

Based on 17 ratings

Appearance	4.5
Ease of assembly	4.1
Functionality	4.4
Cost-Benefit	3.7
Overall rating	4.2

Rate this product

Have an opinion on this product that you would like to share? If so, please take a few moments to [submit your rating and review.](#)

Most helpful review (based on customer feedback)

Appearance	5
Ease of assembly	5
Functionality	5
Cost-Benefit	5
Overall rating	5.0

The mount to get!

Reviewer: Gary from Long Island, NY on Nov 4, 2005
196 out of 267 found this review helpful

Although the hefty price tag for this mount, it's was definently worth it with the ability of the bracket to support alittle extra weight & the flexibility of moving the tv depending on where people are sitting in my room. If you have children in your home you'll what the extra support this puppy gives you, 50' plasma plus the weight of your kid pulling at the thing got me to spend the couple hundred more.

Last peice of advise. get Circuit City to mount this thing for you. My friend bought the same thing I did but he wanted to mount it himself, which of course somehow included my help. Not a 2 second project to say the least. The extra \$400 I spent however, was well worth it I got the whole thing mounted, can't see a single wire. That 50' Panasonic plasma is amazing

Was this review helpful to you? [Yes](#) / [No](#)

Recent reviews

Appearance	5
Ease of assembly	5
Functionality	5
Cost-Benefit	1
Overall rating	4.0

What a ripoff!

Reviewer: Hooba from Vermont on Feb 9, 2008
18 out of 23 found this review helpful

Doesn't anyone know that these places only make their money from 300%+ markups on accessories. They don't make money on TVs. Go buy your mounts off a website for less than half the price. It's all steel. And 20 lbs. of steel isn't worth \$650 with a little powder coat on it. Google: tv mount. You'll find a few hundred for hundreds less.

Was this review helpful to you? [Yes](#) / [No](#)

Appearance	4
Ease of assembly	4
Functionality	5
Cost-Benefit	5
Overall rating	4.5

Great investment

Reviewer: Tom A from Jersey City, NJ on Oct 14, 2007
14 out of 21 found this review helpful

The OMS UCLX was a great investment, love the vertical and horizontal tilts. Once it was mounted on the wall I found lots of space in my living room. With the right equipment it was quick and easy to install.

[See all 13 customer reviews](#) **Was this review helpful to you?** [Yes](#) / [No](#)

Rate this product (required)

Circuit City values your opinion. Share what you like or don't like about a product by clicking on gray stars (★) below to select your rating and filling out the review form.

Appearance
Ease of assembly
Functionality
Cost-Benefit

Rating scale
★★★★★ excellent
★★★★☆ good
★★★☆☆ average
★★☆☆☆ fair
★☆☆☆☆ poor

Write your own product review (optional)

Share your opinion of this product to help other customers. Explain what you do or don't like and why.

One line summary:

Review:

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- Be specific
- Focus on your personal product experience
- Tell us your favorite features
- Do not use any offensive language, ads or contact information
- Adhere to our [Ratings & Reviews posting policy](#)

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OmniMount Dual-Arm Cantilever Flat Panel TV Wall Mount

Also in the box

- Owner's manual
- Hardware kit

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OmniMount Dual-Arm Cantilever Flat Panel TV Wall Mount

Warranty information

OmniMount Dual-Arm Cantilever Flat Panel TV Wall Mount

Many products come with a limited warranty on parts or labor from the manufacturer. See below for how long your product's parts and labor warranties are valid. Refer to the warranty information included with your product for coverage details.

Parts 24 months
Labor 24 months

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Make your purchase online and pick up your product today at your local store

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Estimated arrival dates

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3-day: (Arrives: 5/6/08 - 5/7/08)
2-day: (Arrives: 5/5/08 - 5/6/08)
Express: (Arrives: 5/2/08)

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Returns

OmniMount Dual-Arm Cantilever Flat Panel TV Wall Mount

30-day return policy

Many products can be returned after purchase. Some products (except where prohibited by law) are subject to a restocking fee if returned opened or in a non-factory sealed box. See above for your product's specific return policy time frame and restocking fee if applicable.

If you aren't completely satisfied with your Circuit City purchase, you may be able to exchange it or get a refund depending on the product and circumstances. Check our return policy for complete details.

[See our return policy and guidelines.](#)

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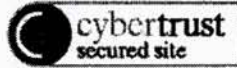
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CSI - Scan Do Pro II/D with SDI

Item# 1292

Regular price: \$4,121.34

Sale price: \$3,297.07

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Product Description

Communications Specialties Scan Do Pro II Digital Video Scan Converter

The Pro II line combines the higher resolution support (up to 1280 x 1024) and superior processing with professional broadcast features found on the original Scan Do Pro. Designed especially for professional video and broadcast, Scan Do Pro II has studio timeable genlock, component output (YUV & RGB) and optional SDI output. True multi-scanning ensures it will work with virtually any computer. Switchable filter plus a three-line flicker reduction filter produces sharp, stable images and multi-level input zoom processing actually enhances resolution. Front panel controls and RS-232 interface deliver everyday user friendliness.

* Features Include Auto Sensing up to 1280 x 1024 * Input Computer Sync Range from 31 to 71kHz * Fully Timeable Genlock with Front Panel Horizontal & Subcarrier Phasing * Selectable Zoom Range from .85x to 2.0x with Horizontal & Vertical Positioning * Input Zoom Processing for True Increase in Resolution when Zooming * Selectable Vertical Filter * Advanced Four Step, Three Line Flicker Reduction * Component, RGB, Y/C & Composite Video Outputs in NTSC and PAL * RS-232 Remote Control Port Included * Optional SMPTE 259M SDI Output with EDH (Pro II/D) * Internal, Universal Power Input Power Supply; No External Wall Wart * Optional Rackmount Kit Available * Kit Includes: 6 ft. VGA / Mac Input Cable; 12 ft. BNC to BNC Output Cable; 12 ft. Y/C Cable

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Scan Do® Pro II & Pro II Professional Scan Converter

SCAN DO® PRO II is the latest addition to the award-winning line of Scan Do computer-to-video scan converters. Scan Do Pro II combines the higher-resolution support (up to 1280 x 1024) and superior processing offered by Scan Do Select with the professional broadcast-related features and interface found on the original Scan Do Pro model. Designed specifically for professional video and broadcast, Scan Do Pro II features studio-timeable genlock, component output (YUV and RGB formats) and optional SMPTE 259-M serial digital output (SDI). True multi-scanning with support for resolutions up to 1280 x 1024 ensures it will work with virtually any computer. A switchable vertical filter plus a three-line flicker reduction filter produces sharp, stable images and multi-level input zoom processing actually enhances resolution.



Like all Scan Do models, Scan Do Pro II's front-panel controls and interface are designed for user-friendliness. Scan Do Pro II also offers an internal, universal power supply and standard RS-232 remote, bringing convenience and ease-of-use to a new level.

Features

- Offers broadcast-quality scan conversion
- Supports up to 1280 x 1024
- Input computer sync range from 31 to 71 kHz
- Fully timeable genlock with horizontal and subcarrier phasing
- Composite, S-video and component (YUV and RGB formats) video outputs in NTSC and PAL
- Optional serial digital video output (SDI)
- Multi-step zoom with H&V positioning: 0.85x, 1.0x, 1.3x, 1.6x, 2.0x
- Internal, universal input power supply; no external "brick"
- Four levels of advanced three-line flicker reduction
- Multiple levels of input zoom processing with true increase in resolution when zooming
- Switchable vertical filter
- Adaptive computer sync processing
- Built-in color bar generator
- RS-232 remote control
- Image freeze
- Single cable for VGA and Mac operation
- Switchable NTSC or PAL outputs
- Optional rackmount kits

Applications

- On-air web broadcast
- Computer generated graphics
- Weather maps and radar
- Post-production
- Presentation staging
- Multimedia events
- Videoconferencing

Specifications

Equipment Included

- Scan Do Pro II or Pro II/D
- AC line cord
- 6 ft. VGA/Mac input cable
- 12 ft. BNC to BNC output cable
- 12 ft. S-video cable
- User Manual

Inputs

- Sync frequency range: 31-71 kHz (320 x 200 to 1280 x 1024), analog RGB, non-interlaced resolutions
- Input Impedance: RGB - 75 ohms Sync - high impedance
- Input Sync Types Supported: Separate H & V, Composite sync (with or without serration), Sync-on-green
- Input Loop-through: Passive, self terminating if not used.
- Genlock reference input with loop-through

Output

- VGA and Mac loop-thru output
- YUV, RGB and RGBS component
- Serial Digital Video SDI (Pro II/D only)
- S-Video
- Composite video
- Switchable NTSC or PAL timing

Input/Output Connectors

- HD-15F for Mac input and DB-15F for VGA input (using supplied reversible input cable)
- DB-15F for Mac output, HD-15F for VGA output
- Composite video output: BNC connector
- S-Video output: 4-pin mini-DIN-F
- Component/RGBS output: BNC x 4
- SDI output: BNC
- Genlock: BNC
- Remote Control: RS-232 on 3-pin "Phoenix" type connector

Dimensions

- 7.25 W x 2.5 H x 11 D in. (184.1 W x 63.5 H x 279.4 D mm)

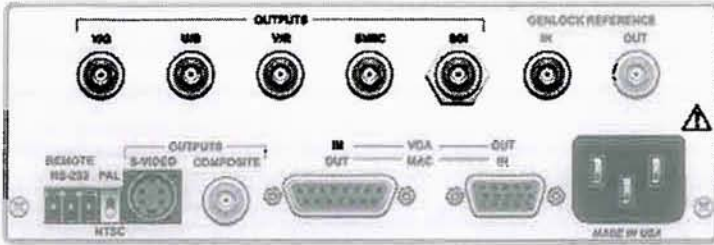
Power

- Internal universal input AC power supply.
- Input: 100-250 VAC, 47-63 Hz, UL/CSA/TUV/CE approved. IEC 320 connector.

Computer and Video Processing

- Input sampling: 24-bit (8 bits per RGB)
- Samples: 720 per line
- Computer mode detection: auto measurement
- Video processing: 16 bit YUV
- Video memory: 720 x 740 x 16 bits (1 video frame)
- Video encoding: 16-bit 4:2:2 YUV with 10-bit output D/A
- Zoom ratios: 0.85x, 1.0x, 1.3x, 1.6x, 2.0x
- Differential gain: < 1%
- Differential Phase: < 1 degree
- Frequency response: 6.5 MHz (-3 dB)

Scan Do Pro II Back Panel



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AJA FS1 Frame Synchronizer and Bi-directional Converter - HD and SD, Digital and Analog Audio, Rackmountable

Mfr# FS1 • B&H# AJFS1

Price: \$ 3,399.95

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Accessories

Features

Specifications

Item Includes

The **AJA FS1** is a universal SD/HD audio/video frame synchronizer and converter. This converter offers an "everything in, everything out" architecture. The FS1 can work simultaneously with both HD and SD video for broadcast quality video and 24-bit audio.

Key Features

• **Video Conversion**

The FS-1 can up or down-convert between SD and HD, and provide simultaneous HD and SD outputs.

• **Cross Conversions**

Cross-conversions between HD formats are also supported, with simultaneous output of both formats.

• **Audio**

The FS1 supports 8-channel AES, Balanced analog, or embedded audio offering the same any input to any output conversion.

• **Closed Captioning**

The FS-1 supports closed captioning and the conversion of closed captioning between SD and HD formats.

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AJA Video FS1 Universal SD/HD Audio/Video Frame Synchronizer and Converter

Manufactured by: AJA Video
Our Price: \$3,899.00

Model: AJA-FS1



larger image

Shipping Cost: **FREE** GROUND SHIPPING

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Overview Features Specifications Images

Universal SD/HD Audio/Video Frame Synchronizer and Converter
 Featuring a flexible "everything in, everything out" architecture, the FS1 can simultaneously work with both HD and SD video—all in full 10-bit Broadcast quality video and 24-bit audio. The FS1 supports virtually any input or output, analog or digital, HD or SD. The FS-1 can up- or down-convert between SD and HD, and provide simultaneous HD and SD outputs. Cross-conversions between HD formats are also supported, with simultaneous output of both formats. For audio, the FS1 supports 8-channel AES, Balanced analog, or embedded audio with full flexibility. The FS-1 supports closed captioning and the conversion of closed captioning between SD and HD formats. The FS-1 is also network ready, supporting SNMP monitoring and web-based remote control.

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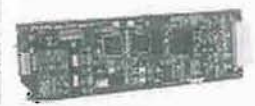
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Manufacturer Info



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Suggestions



RH10UC SDI to HD-SDI upconverter with motion adaption and Genlock \$2,650.00



HD downconverter and HD-SDI distribution amplifier \$2,080.00



Dual-rate HD/SD 1x8 re-clocking distribution amplifier \$950.00

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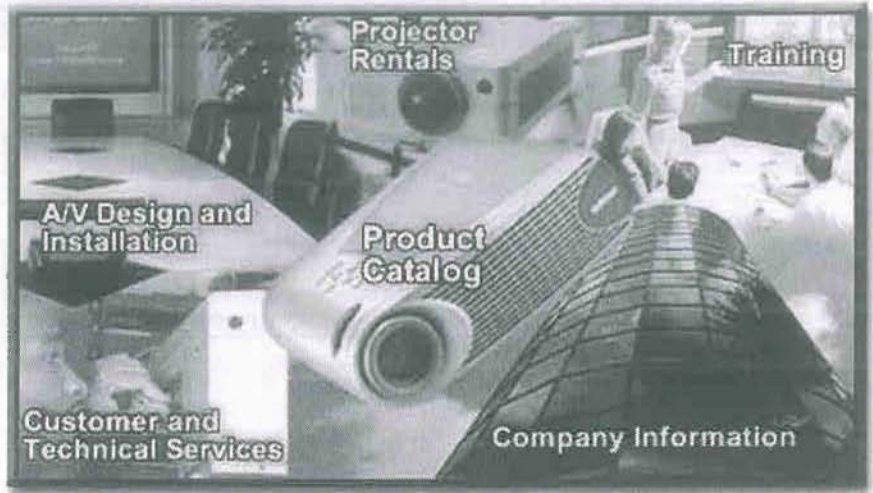
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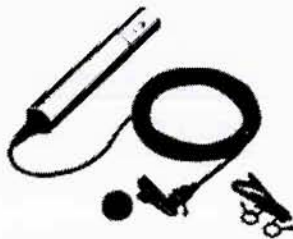
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Sony ECM-44B - Omni-Directional Lavalier Condenser Microphone

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Our Price: \$195.00

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Buy Used: \$149.00

Availability: In Stock

Quantity 1

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Accessories

Features

Specifications

Item Includes

The ECM-44B makes the exceptional quality of Sony's electret condenser microphones available for budget conscious productions, and a variety of sound reinforcement requirements, such as lectures and demonstrations. Measuring only 8.5 x 14.5mm, the ECM-44B reduces the visual distraction to the audience. The ECM-44B can be depended upon for clean, bright, yet natural reproduction. To maintain its low cost, this microphone operates on a single AA (does not except phantom power) battery for over 5000 hours of service.

Key Features

- Excellent cost/performance ratio
- Black Finish
- Complete with in-line battery unit for 2-way powering

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Sony ECM-44B Lavalier Microphone

Item# ECM-44B

Regular price: \$276.33

Sale price: \$221.06

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Product Description

General application model electret condenser lavalier mic Ideal for speech & interviews as well as musical instruments 40-15,000 Hz frequency response Omnidirectional pattern AA battery operation (not included) Includes 1.2m cable with power capsule & XLR plug, urethane wind screen, holder clip & carry case 1 year warranty

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Sony DXC-D50WSL



Sony DXC-D50WSL is the next-generation in the DXC-series of cameras, designed for even greater picture quality and operational convenience.

Price: **\$11,200**
Availability: **In Stock**

[Submit request](#)

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These cameras are offered in two different versions: the DXC-D50H and L are 4:3 models and DXC-D50WS 16:9/4:3-switchable model. Both feature the new high-performance Power HAD™ EX CCD sensor and precise 12-bit A/D conversion built into a highly sophisticated LSI. The result is superior picture quality, high sensitivity, plus low noise and smear characteristics over previous models. A variety of automatic functions have also been included, allowing easy and convenient operation in any shooting scenario. Another important aspect of Sony DXC-D50/D50WS cameras is their excellent system versatility. Two types of camera-control units are available; the CCU-D50, for multi-core CCU operation, and the CCU-TX7, for Triax CCU operation. The new RCP-D50/D51 Remote Controllers can also be used with either system. With a host of sophisticated features, the DXC-D50/D50WS provides an ideal solution for small studio operations at an affordable price.



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Sony DXCD50WSL 3 CCD & Studio

MSRP: \$18,060

BCS Price: CALL

Brand: Sony

Category: 3 CCD & Studio



broadcaststore.com

Model Description:
3ccd Portable Camera Widescreen

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3 CCD & Studio
MSRP: \$18,060.00
BCS Price: CALL



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3 CCD & Studio
MSRP: \$18,060.00
BCS Price: \$9,800.00



USED Sony DXCD50WSL

3 CCD & Studio
MSRP: \$18,060.00
BCS Price: \$13,500.00



SKU#
EQ457630U
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SKU#
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NEW Sony DXCD50WSL

3 CCD & Studio
MSRP: \$18,060.00
BCS Price: \$17,157.00



USED Sony DXCD50WSL

3 CCD & Studio
MSRP: \$18,060.00
BCS Price: \$12,900.00



SKU#
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SKU#
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Model Details

The DXC-D50/D50WS is the next-generation in the DXC-series of cameras, designed for even greater picture quality and operational convenience. These cameras are offered in two different versions: the DXC-D50H and L are 4:3 models and DXC-D50WS 16:9/4:3-switchable model. Both feature the new high-performance Power HAD EX CCD sensor and precise 12-bit A/D conversion built into a highly sophisticated LSI. The result is superior picture quality, high sensitivity, plus low noise and smear characteristics over previous models. A variety of automatic functions have also been included, allowing easy and convenient operation in any shooting scenario. Another important aspect of Sony DXC-D50/D50WS cameras is their excellent system versatility. Two types of camera-control units are available; the CCU-D50, for multi-core CCU operation, and the CCU-TX7, for Triax CCU operation. The new RCP-D50/D51 Remote Controllers can also be used with either system. With a host of sophisticated features, the DXC-D50/D50WS provides an ideal solution for small studio operations at an affordable price.

Additional Detailed Information: Product Highlights

- F11 at 2000 lx sensitivity
- -140dB vertical smear ratio (FIT level)
- 65 dB S/N ratio
- 800 TV lines resolution at 16:9 and 850 TV lines at 4:3
- Dual electronic and optical filters
- Full "end to end" SDI capable
- Wideband Triax system
- Memory Stick storage for scene file settings

Accessories

- CAD50 - Camera Adaptor
- Supplied: DXF801 - View Finder

- CCUD50 - Camera Control Unit
- Supplied: VCTU14 - Tripod Adaptor
- CCUTX7DPAC - Digital Triax CCU Package w/CCU-TX7/1, DXBK-701
- DSR1/1 - DVCAM Dockable Recorder/Player
- DXF51 - 5" Studio Viewfinder
- EWACQ1/RSDP2H - 2 Yr. Ext. Warranty for Cams/Camcorders in list price tier \$15,001 - \$25K
- PVV3 - Betacam SP Dockable Recorder
- RCPD50 - Camera Remote Control Panel
- RCPD51 - Camera Remote Control Panel

Additional Information

PDF Documents:

[dxcd50.pdf](#)

[dxcd50ws brochure.pdf](#)

[dxcd50wsl brochure.pdf](#)



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SONY

Sony DXC-D50WSL 2/3" 16:9 Dockable Camera Head, without Lens

Mfr# DXCD50WSL • Used Cat.# 524548

Used Dept.

Price:

\$ 9,999.00

Calculate Shipping:

Availability:

In Stock

Item Condition:

D

Never owned - Used for demonstration purposes only

Quantity

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Features

Specifications

Combining superior picture quality with operational convenience, Sony's DXC-D50WS camera offers what every industrial and professional producer / director / operator requires for day to day shooting. The DXC-D50WS is the widescreen model camera for both 16:9 aspect and 4:3 aspect projects. It uses 3 Power HAD IT chips with 1 million pixels per chip for better video under the harshest lighting conditions. If you factor in the adaptability to multi-core and triax systems, the DXC-D50WS provides an ideal solution for ENG, EFP, and small studio operations at an affordable price.

Key Features

• **CCD's / Analog to Digital Converter / Digital Signal Processor**

The DXC-D50WS camera head brings high technology to the industrial camera market.

- The 2 2/3 inch Power HAD CCD set with 1 million pixels each output over 800 lines of resolution.
- The ADC is a 12-bit design that ensures the captured images are processed with greater precision and less rounding off errors than 10-bit or lesser processors.
- The Digital signal processor, a 30-bit design, enables highly sophisticated image controls such as Knee Saturation and Adaptive Highlight Control. Knee Saturation works in bright conditions to reduce a washed-out effect in color saturation and hue. Adaptive highlight control provides multiple knee-points / slopes for superior over-exposure control.

• **Low Key Saturation**

The Low Key Saturation function helps retain color and detail in low-light areas of the scene by optimizing color amplification in low-light levels. This function provides more natural color reproduction.



- **Cross-Color Suppression**

In order to keep cross-color and cross-luminance to a minimum, the DXC-D50 virtually eliminates frequency components that may create artifacts being generated prior to the signal output. The use of a digital three-line comb filtering results in a great reduction of the cross color and dot crawl normally seen on picture monitors fed a composite signal.

- **Skin Tone Detail Control**

DXC-D50WS allows softer detail correction to be applied in facial areas while maintaining sharpness of the other parts of the picture. The operator can quickly select the function with the Area-detector cursor in the viewfinder. The color range for the skin tone detail and skin detail level can be selected manually using the menu system.

- **E Z Functions**

ENG operators understand the importance of making the camera operation as quick and straightforward as possible.

E Z Focus function opens the iris to reduce depth of field and makes focusing significantly easier especially in dark situations.

The E Z Mode sets key camera parameters instantly to the standard or auto position simply by pressing one button. This feature is convenient when operators require very fast camera setup within a limited time frame.

- **Optical Neutral Density Filters and Electronic Color Correction**

Three neutral density filters are built into the DXC-D50WS for great depth of field control. 1 / 4 ND is good for 1.5 stops, 1 / 16 ND is equivalent to 4 stops, and 1 / 64 is equal to 6 stops down. Color correction filters are actually electronic presets instead of filters on the filter wheel. Now the range of ND filters can be used with any color temperature setting.

- **File operation Using Memory Stick Memory Cards**

You may store and recall setup parameters for individual scenes or camera setup preferences. These parameters stored on a Memory Stick card can be transferred to another DXC-D50 or an RPC-D50 remote control unit allowing quick setup in multiple camera systems. Additionally, the files may be transmitted through your computer via email attachment and share them with cameras at remote locations.

- **Clear-Scan Scan Matching Function**

Clear scan allows operators to shoot computer displays without the horizontal bands or flickers they usually create on screen. This is achieved by activating the Clear Scan function to select a shutter speed which then precisely matches the scanning frequency of the computer display. Shutter speeds are available ranging from 60.1Hz to 6000 Hz.

- **Monitor-Out Function**

The DXC-D50WS has a composite output specifically for remote monitoring applications. By connecting a monitor to this output, the same image as in the viewfinder is seen. A director or producer can see audio levels, f/stop, color temperature overlaid on the color video picture.

- **Time and Date Stamp**

Legal videographers will appreciate the time and date stamp function. Time and date information can be overlaid on the video image in legal deposition work, security jobs or anytime this information is significant.

- **Adapts to Different Applications and Systems**

The DXC-D50WS is a versatile, adaptable camera for many industrial applications. The camera head accepts 4 different VTRs and 2 camera adapter backs.

- Adding the DSR-1 VTR creates a DVCAM / DV camcorder rig with 3 hour tape length and worldwide system integration.
- The VTR PVV-3 converts the camera (without an adapter) into a Beta SP camcorder.
- The DNV-5 VTR creates a Beta SX digital camcorder with 4:2:2 color sampling as required in the world of broadcast ENG or electronic film production. The DNV-5 (and the broadcast BVV-5 Beta SP VTR) requires the addition of the CA-511 camera adapter.
- The CA-TX7 is the TRIAX system interface. Used along with camera control units, specifically the CCU-TX7, the COU-TX7, and the RPC-D50, they allow the camera to be remotely controlled for all picture functions over long cables and adds features like return video, teleprompter feed, and additional audio

functions.

- The CA-D50 camera back on the DXC-D50 should be integrated into systems with the CCU-D50 fully digital camera control unit and the RM-M7G paintbox. Attaching outboard digital recorders like the DSR-50 DVCAM VTR and the DVW-250 Digital Betacam VTR create powerful fully digital capture with fully customizable looks.

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FUJINON

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Fujinon A20x8.6BRM 2/3" 20:1 (8.6-172mm)
Internal Focus, ENG/EFP Lens

Mfr# A20X8.6BRM • B&H# FUA20X86BRM

Price: **\$ 2,899.95**

Calculate Shipping:

Availability: **In Stock**

Quantity

[Accessories](#)

[Features](#) ▼

[Item Includes](#)

The Fujinon A20X8.6BRM is a professional ENG video lens for 2/3-inch CCD cameras. The lens incorporates internal focusing so that lens accessories like matte boxes can be utilized as in electronic film production environments. Its minimum object distance is a very short 3 feet or about 0.9 meters and there is a macro feature also. At its widest the lens shows a 55° horizontal and 42° angles of view.

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Fujinon A20x8.6BRM Lenses, Controls & Accessories



(Image Shows BERM Version)

BCS Price: CALL

Brand: Fujinon

Category: Lenses, Controls & Accessories

Model Description:

2/3" Professional Internal Focus lens for 2/3inch Camcorders with Sony B Mount.

Available Equipment

USED Fujinon A20x8.6BRM

Lenses, Controls & Accessories

BCS Price: CALL



SKU#

EQ441792U

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NEW Fujinon A20x8.6BRM

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Lenses, Controls & Accessories

BCS Price: CALL



SKU#

EQ306468N

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Fujinon A20x8.6BRM

Lenses, Controls & Accessories

BCS Price: CALL



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USED Fujinon A20x8.6BRM

Lenses, Controls & Accessories
BCS Price: CALL



SKU#
EQ453113U
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NEW Fujinon A20x8.6BRM

Lenses, Controls & Accessories
BCS Price: \$2,150.00



SKU#
EQ452953N
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Model Details

for Camera Format - 2/3" Zoom Ratio - 20X Focal Length - 8.6~172mm Focal Length - 8.6~172mm

Features:

- Accessory for AJ-D610WA DVCPPro camcorder
- Fujinon 2/3-inch 20x ENG lens

Specifications:

MODEL NAME		A20?8.6BRM
Focal length	(1?)	8.6 - 172mm
	(2?)	-
Zoom ratio		20 ?
Extender		-
Maximum relative aperture (F-No.)		1 : 1.8 (8.6 - 115mm)
		1 : 2.7 (172mm)
Minimum object distance(M.O.D.)		0.9m
Object dimensions at M.O.D.	(1?)	8.6mm 866 ? 650mm 172mm 43 ? 33mm
4 : 3 Aspect ratio		
Angular field of view	(1?)	8.6mm 54?11' ? 41?59' 172mm 2?56' ? 2?12'
4 : 3 Aspect ratio		
Macro		Standard
Filter thread		M82 ? 0.75
Size ? ? Length		? 85 ? 186.3mm
Mass (without lens hood)		1.4kg
Features		Inner focus
Available model		A20 ? 8.6BRM-SD



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SONY

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Sony CA-D50 SDI Camera Adaptor for the DXC-D50/D50WS Camera Head, uses Sony CCZ-AD type Cables

Mfr# CAD50 • B&H# SOCAD50

Price: **\$ 1,519.95**

Calculate Shipping:

Availability: **Accepting Orders**

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Accessories

Features ▼

Specifications

Item Includes

With the CA-D50 camera adapter attached, the DXC-D50/D50WS can be remotely controlled from the CCU-D50 multicore camera control unit using CCZ-A 26-pin cable. The video and audio output of the CA-D50 are transferred to the CCU-D50 as a component digital-SDI signal through CCZ-A cable up to 246 feet or 75 meters long or up to 150 meters with CCZ-AD cable. This combination allows the establishment of a full digital acquisition system.

Key Features

• Long Cable Runs

The CA-D50 will supply SDI video via the 26-pin CCZ-AD cable up to 492 feet or 150 meters. The older cable model CCZ-A will run SDI 75 meters. If even longer runs are required, the CCZ-A cable will run an analog component signal 300 meters or 984 feet.

• Intercom Compatible

The CA-D50 with the CCU-D50 supports all the major intercom systems including Clearcom, RTS, and 2- and 4-wire systems.

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Sony CA-D50 Digital Camera Adapter

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Availability: In Stock

Price: USD 1,700.00 - Add to cart [Compatible products](#) [Print preview](#)



Digital transmission length up to 75m with Sony CCZ cable, and up to 200m with dual cable (CCZ and Coaxial) with CCU-D50.

Analog transmission up to 300m with Sony CCZ cable connected to CCU-D50.

Digital/Analog transmission auto switching.

Digital 76-pin DXC camera interface.

Tags: [Sony](#) [CA-D50](#) [Digital](#) [Camera](#) [Adapter](#)

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[JVC VC-P110 26-pin/26-pin Cable Add to cart](#) - USD 336.00
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Cables and Connectors - Sony Cables

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Vinten

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Vinten VISION 11 Aluminum Tripod System - consists of: Vision 11 Fluid Head, 2-Stage Pozi-Loc Tripod, On-Ground Spreader and Softcase - Supports 37 lbs

Mfr# V11-AP2 • B&H# VIVIN11AP2

B&H Kit

Price:

\$ 5,354.95

Calculate Shipping:

Availability:

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Accessories

Features

Specifications

Kit Includes

The **Vision 11** tripod system, consists of the Vision 11 fluid head, designed for the digital camera configurations used in professional broadcast, educational and corporate productions. In addition it offers a full ±90° smooth tilt movement with a counterbalance range of 14 to 37 lb and digital readout. Providing smooth shots, fast whip pan action and rapid set up, which is vital for news gathering operation.

Also includes the Vision ENG two-stage tripod with a 100mm-bowl fixing. Constructed of aluminum alloy with Pozi-Loc leg clamping system, which is precision-engineered and attached to an innovative hip joint. Eliminates play and gives more rigidity to provide an exceptionally stable camera platform.

⊕ **VISION 11 Fluid Head (100mm Ball Base)**

⊕ **3770-3 ENG Aluminum Tripod Legs**

⊕ **3358-3 Soft Tripod Case**

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Vinten V11-AP2 Tripod



MSRP: \$5,625
BCS Price: \$4,950.00
Brand: Vinten
Category: Tripod

broadcaststore.com
tripod.com

Model Description:

V11-AP2 Vision 11 Two-Stage Aluminium Pozi-Loc Tripod Grey Spreader Soft Case For cameras and one-pi

Available Equipment

NEW Vinten V11-AP2



Tripod

MSRP: \$5,625.00

BCS Price: \$4,950.00

SKU#

MO805532N

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Model Details

V11-AP2 Vision 11 Two-Stage Aluminium Pozi-Loc Tripod Grey Spreader Soft Case For cameras and one-piece camcorders in ENG configuration in counterbalance range 6.5 kg to 17 kg (14 lb to 37 lb)

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Vinten V11-AP2 VISION 11 System

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Maximum load 17kg. Vision 11, Two-Stage Aluminium Pozi-Loc Tripod, Spreader, Soft Case.

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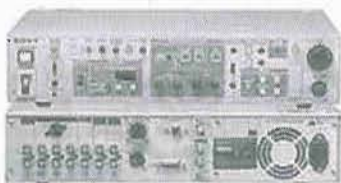
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Sony CCU-D50 Digital Camera Control Unit for DXC-D50L/D50WSL Camera Systems

Mfr# CCUD50 • B&H# SOCCUD50

Price: **\$ 2,449.95**

Calculate Shipping:

Availability: **Accepting Orders**

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Accessories	Features ▼	Specifications	Item Includes
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The Sony CCU-D50 camera control unit allows for a completely digital video acquisition and full camera picture control of the DXC-D50/D50WS camera using the CA-D50 studio camera adapter and CCZ-AD 26-pin cable. Additionally, intercom, teleprompter, power, and video output are accommodated through the CCU-D50.

Key Features

- **Serial Digital Component Video**

With the CA-D50 SDI camera adapter on the DXC-D50/D50WS digital camera head, the CCU-D50 will receive component digital video signals over long runs of cable. The CCZ-AD series of 26-pin cables will run SDI video up to 150 meters or over 490 feet. Using the older CCZ-A cables, you can get 75 meter SDI runs. The CCZ-A cables will also run analog component video up to 300 meters.

- **Full DSP Control**

When the CCU-D50 is used with the RCP-D50 or RCP-D51 remote panels, the user gains full access to the DXC-D50/D50WS sophisticated DSP for amazing picture-look control. Parameters like Knee Saturation, Adaptive Highlight Control, Low Key Saturation, Cross Color Suppression, and Skin Tone Detail are customizable for individual production scenarios.

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SONY

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Sony RCP-D50 Remote Control CCU Panel with Joystick Control for CCD-D50 Digital Camera Control Unit

Mfr# RCPD50 • B&H# SORCPD50

Price: \$ 2,899.95

Calculate Shipping:

Availability: In Stock

Quantity 1

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Accessories

Features

Specifications

Item Includes

The RCP-D50 is the Joystick style remote panel for connecting to the CCU-D50 camera control unit. Maximum cable length is 164 feet or 50 meters.

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Sony RCP-D50 Remote Control Panel

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Remote Control Panel. Joystick-type.
Covers the complete range of control functions.
3.5-inch color touch panel LCD screen.

Tags: [Sony](#) [RCP-D50](#) [Remote](#) [Control](#) [Panel](#)

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SONY

Sony CCZAD100 Multi-Core SDI Cable (300')

Mfr# CCZAD100 • B&H# SOCCZAD100

Price: \$ 1,589.95

Calculate Shipping:

Availability: **Accepting Orders**

Important Notice!

This is not a regularly stocked item. Estimated arrival at B&H is 2-4 weeks. You will be charged upon placing your order.

Quantity 1

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Features

Specifications

Item Includes

The **CCZAD100 Multi-Core SDI Cable (300')** from **Sony** is a segment of multi-core SDI cable designed for use with the CCUD50 Camera Control Unit and the CAD50 Camera Adapter. This cable is essential for high-quality transmission and is required for distances exceeding 246 ft from camera control unit to camera adapter.

Key Features

• **Multi-Core SDI Cable for CCUD50 & CAD50**

Use this cable to connect the CCUD50 Camera Control Unit and the CAD50 Camera Adapter when the distance between the equipment exceeds 246'.

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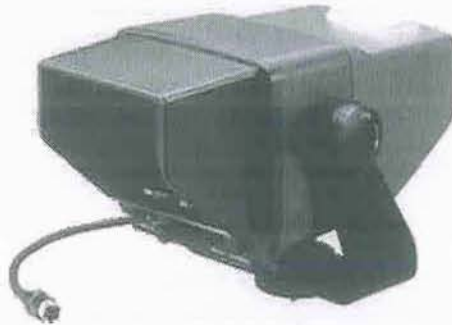
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Sony DXF-51 5-inch Monochrome Viewfinder

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Availability: In Stock

Price: USD 1,490.00 - [Add to cart](#) [Compatible products](#) [Print preview](#)



High horizontal resolution of 650 TV lines.
16:9/4:3 Automatic Aspect Ratio Selection.

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Sony DXF51 Camera Accessories



MSRP: \$1,880

BCS Price: \$1,786.00

Brand: Sony

Category: Camera Accessories

Model Description:

5 inch Studio B/W Viewfinder, 16:9/4:3 switchable. Connection for DXC-D30, DXC-D35, DSR-

Available Equipment

NEW Sony DXF51

Camera Accessories

MSRP: \$1,880.00

BCS Price: \$1,786.00



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Camera Accessories

MSRP: \$1,880.00

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Northwestern State University
Natchitoches, Louisiana 71497

A Member of the University
of Louisiana System

May 1, 2008

Student Technology Grant Committee
Northwestern State University
Natchitoches, LA

Re: Journalism Dept. request for funding from Student Technology

The Journalism Department is seeking a grant of approximately \$100,000.00 for updated technology to enhance the broadcast component of the journalism program. If funded, these project monies will improve access to the latest digital technology, provide classrooms with updated technology and multimedia, upgrade student technology laboratories, upgrade the campus communication network and infrastructure.

Electronic technology advances rapidly. The department has partially converted from analog to digital. This will complete the conversion and will also move them toward high definition cameras and receivers.

I fully support the journalism department's efforts to bring its technology up to a level that is competitive with other institutions of learning in Louisiana.

Sincerely,

Steven G. Horton, Ph.D.
Dean
Associate Provost

Mary Brocato

From: Shayne Creppel [s_creppel@yahoo.com]
Sent: Wednesday, April 30, 2008 10:40 PM
To: Mary Brocato
Subject: Re: FW: student technology fees

Ms. Brocato,

I fully support the efforts of the Department of Journalism to seek funding from the Student Technology Advisory Team. As SGA President I have focused on spending the student technology fee money on projects that enhance our star programs and bring those lagging behind up to a level where we are competitive with other Louisiana schools. You can count on my full support to ensure that this project gets full funding so that we may further enhance the Department of Journalism.

Shayne Creppel
President
Northwestern State University
Student Government Association

Student Technology Fee
Surplus Request Form
Fiscal Year 2007-08
Northwestern State University of Louisiana

ALL BLANKS MUST BE FILLED COMPLETELY

Prepared by: Jacob Mitchell Theta Nu Chapter Kappa Kappa Psi For: CAPA MUSIC

Department/Unit: CAPA MUSIC College: Liberal Arts Campus: Natchitoches

Which NSTEP Goals/Objectives does this project meet? 1, 2, 5

Requested equipment will be located/installed/housed? Building: 225A Room 122

Are department property policies and procedures in place for requested equipment? Yes

Which individual will be responsible for property control of the requested equipment? Bill Brent

Signature:  Date: 5/5/08

Proposal Requested Amount: \$18,335.13 Budget Attached (circle one): YES/NO

Proposal delivered to Student Technology located in Watson Library, Room 113. Date _____

The proposal must include all specifications, description, model number, quotation, cost, state contract number, and vendor for each item. If the proposal does not include all requested information, it will be returned to requestor.

<p>1. Describe target audience.</p> <p>All Students at Northwestern State University who are enrolled in music courses. Specifically this will impact music majors, choir students and graduate students, by allowing them to utilize the pianos we currently have and this will also help all percussion members and "pit" members to perform at the football games.</p>
<p>2. Describe project/initiative for which you are requesting funds.</p> <p>We are asking for the few remaining items to complete a previous grant that was awarded through STAT to help amplify the percussion at the football games and also for seven computer upgrades for pianos that were purchased over twenty years ago with a board of regions grant.</p>

3. State measurable objectives that will be used to determine the impact/effectiveness of the project.

For percussion students who work on melodic parts at the football game to be heard and also for the music majors to be able to perform to their highest ability on their end of semester jury because they have had the ability to practice with the pianos playing their accompaniment with them.

4. Indicate how each project objective will be evaluated.

The sound equipment will be easily evaluated by the ability for the melodic percussion to be heard at football games and concerts. The piano upgrades will be able to be evaluated by jury every music major (vocal and instrumental) must complete.

5. If funded, which NSTEP <http://www.nsula.edu/nstep/NSTEP.pdf> objective(s) will this funding of this project advance. How will funding of the project advance the University and College/unit technology plan?

- 1) This will help by providing technology access to students, faculty, and staff in the CAPA department
- 2) Provide practice and class rooms with up to date technology
- 5) To update the infrastructure and make currently owned items usable

This will make it where our university is represented well through our music department and also that our graduates are the best that they can be.

6. Provide a justification for funding of this project. Estimate the number of students that will be served per academic year and in what ways. Please indicate also any unique needs of the target group.

Over 400 Vocal and Instrumental Music students and majors every semester that would have access to these pianos for preparation for their jury, and practice for other auditions as well as keyboard practice.

Over 65 Percussion Majors and students who would be able to give full performances during football games, recitals, concerts, and other times where playing a melodic instrument is needed.

7. List those individuals who will be responsible for the implementation of the project/initiative and indicate their demonstrated abilities to accomplish the objectives of the project.

Mr. Bill Brent Director of CAPA
Dr. Burt Allen Choir
Mr. Ken Green Percussion
Mr. Kevin Richardson Music

<p>8. Describe any personnel (technical or otherwise) required to support the project/initiative.</p> <p>Instillation of the DSR 1 components in the pianos is all that would be needed.</p>
<p>9. Provide a schedule for implementation and evaluation.</p> <p>The sound equipment would be implemented as soon as the first football game if we have received it by that time, if not as soon as it is received. The pianos would also be put into use as soon as the piece is installed.</p>
<p>10. Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five years.</p> <p>The pianos are not currently made with a CD burner so the current DSR 1 is the most up to date upgrade that is on the horizon for the next 5 years. All of the sound equipment will last between 5 to 10 years.</p>
<p>11. Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received through a Student Technology Fee.</p> <p>If you are requesting equipment that will be either/or checkout to students or moved within the department, you must provide a checkout/loan policy.</p> <p>All of the rooms where these items are going to be placed already have STAT items and have all of the security devices that are necessary to house STAT items.</p>

Attach two (2) letters of support for the project from the following individuals: the requesting department's Dean, the appropriate Vice President (for non-academic units), or the SGA President from the requesting campus (for student requests).

Student Technology Fee Request for Surplus Funding Checklist:

- Is all information requested provided (items 1 – 11)?
- Is a detailed budget attached?
- Is all specifications, description, model number, quotation, cost, state contract number, and vendor provided for each item?
- Are your two (2) letters of support attached?
- If equipment is to be checked-out/loaned, is your policy attached?

Item	Quantity	Description	Price Each	Total Price
Item 1	4	McAdams Model 20XV Metronome Model #: 20XV	\$708.00	\$2832.00
Item 2	16	Sure: Model #: Beta 98H/C Microphones	\$209.00	\$3344.00
Item 3	8	Monster Cable: Model #: P500-M-30 Performer 500 series 30' Low Impedance Microphone Cable	\$79.95	\$639.60
Item 4	8	Monster Cable: Model #: P500-M-20 Performer 500 series 20' Low Impedance Microphone Cable	\$59.95	\$479.60
Item 5	1	DBX Model #: 4820, Drive Rack Complete equalization and loud speaker management system	\$499.97	\$499.97
Item 6	1	SKB: Model #: 1SKB19-R1406 Mighty '07 GigRig Rolling Audio Rack System	\$459.00	\$459.00
Item 7	1	Raxxess: Model # SDR-3 Deluxe Sliding Drawer	\$101.00	\$101.00
Item 8	1	Furman: Model # M-8L Power Conditioner/ Light Module	\$85.97	\$85.97
Item 9	1	Virtual Drumline 2.5	\$199.00	\$199.00
Item 10	1	EAW: model FR153z 15" 3-Way Speaker Cabinet	\$895.00	\$895.00
Item 11	1	Mackie: model SA 1532Z Powered Speakers	\$1,799.99	\$1,799.99
Item 12	7	DSR 1 Upgrade electronics for 6 MX100 II Pianos and on DKC100R Piano	\$1000.00	\$7000.00

Total \$18,335.13

Budget

Quik Time QT-5 Quartz Metronome

- Bouncing ball display
- Much louder than competing models
- Unique new credit card size with folding stand
- Accent beat in 2/4, 3/4, 4/4 time

ET833 \$ 9.88

**Quik Time QT-3 Metronome**

- Louder Speaker
- Over 200 Speed Settings
- Distinctive Click Sound "Cuts Through the Music"
- A440 Tuning Tone
- Low Battery Indicator
- Earphone Jack
- Unsurpassed Accuracy

ET709 \$ 14.99

**Super-Mini Taktell Windup Metronome**

Small enough to fit in pocket. High-impact plastic housing. Precision built with the same accuracy and durability as the larger metronomes.

MS009 \$ 27.88

**Taktell Piccolo Windup Metronome**

Housed in a colorful plastic casing. Handy and convenient for traveling musical organizations, students, teachers. Only 5-1/2" high yet is equal to full-size metronomes in performance.

MS010 \$ 34.88

**Yamaha QT1 Metronome**

The QT1 is world-renowned for its unique shape and precision accuracy. Enhanced with quartz technology, this compact metronome allows you to control the volume, choose from two different "beat" sounds, or mute the sound all together by following a flashing indicator light.

ET399

\$ 29.95

Korg MM-30 Metronome

Tap function sets tempo accordingly, suitable for a wide variety of musical styles; from classic to rock and jazz, with thirteen types of time signatures built-in. Calibration function lets you adjust the pitch of these notes in 1 Hz steps in either the modern 440 Hz pitch range or the historical 415 Hz pitch range. A large, highly visible LCD pendulum indicates the time signature according to the specified tempo.

ET847 \$ 28.85

**Korg MM-1 Metronome**

On-ear micro metronome is only slightly larger than an earring, but packs all the functionality you could want for rhythm training! Digital accuracy and everything you need for complete rhythm training. Only you can hear it! Sets tempo over range from 40 to 208 bpm.

1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4 time signatures. Duplet, triplet, and quadruplet beats. Long life lithium battery for cable-free use (battery life 500 hours). Dimensions: .64" wide x 1.63" deep x .66" high. Weight: .2 oz.

ET184 \$ 19.88

**Seiko SPM-370 Traditional Mechanical Metronome**

New from Seiko, this comes in transparent colors.

Features: Tempo range: 40-208 (20 steps), Bell Beat accents: 0,2,3,4,6.

Transparent Colors: Gray(SG), Blue(SL), Red(SR). Please specify color when ordering.

EA035(color) \$ 49.95

**McAdams Model 20 Metronome Tuning Note Reference**

McAdams Instruments manufactures a powerful, portable metronome for classroom use. These portable units weigh only 7 lb. and are built to last!

The Model 20's main function is that of a metronome with a myriad of beats, divisions, accents and combinations. A full tempered chromatic octave of tuning notes is also available along with the special notes in perfect intervals for use with open strings.

The Model 20 has enough power to make it useable by itself with a full class. It is also fitted with an output jack to feed a PA system.

Both models play the same rhythms and tuning notes. The "V" models below allow you to vary the pitch reference from A-435 to A-448.

Model 20V: Variable, 120 watts peak power

ET855V \$ 708.00

Model 20XV: Variable, 360 watts peak power

ET855XV \$ 778.00

**Seiko DM-50 Clip Style Metronome**

Clip it anywhere! Features: Tempo Range: 30-250bpm, Beat accents: 0,1,2,3,4,5,6,7, Rhythm accents: 8th note, triplet, 16th notes, Tempo indicator: motion lcd, plus 1 LED, 4 level volume control, Power supply: 1 lithium battery included (CR2025), Colors: Black (L), Red (R). EA034 \$ 23.95

**Seiko DM-11 Metronome**

The Seiko DM-11 is a credit card sized digital metronome with a sound mute function. ET267 \$ 24.88

**Seiko SQ-50 Quartz Metronome**

The SQ50 features virtually perfect tempo settings, and an A-440Hz frequency tone that simplifies the tuning of just about any instrument. A tempo range from 40 to 208 beats per minute is easily set from the 39 position rotary dial. A flashing light can be selected for a visual beat or combined with a "click" sound for a visual and audible combination. Includes earphone jack. Uses 9V battery (supplied) and has wire stand for angle adjustment.

ET789 \$ 27.88

**Seiko DM-70 Metronome**

Tempo range: 30-250bpm, Beat accents: 0,1,2,3,4,5,6,7, Rhythm accents: 8th note, 8th note upbeat, triplet, triplet with shuffle, 16th notes, 16th note shuffle. Tempo indicator: Motion LCD, plus 1 LED. Reference tones. ET17270 \$ 29.95

**Wither Windup Metronome**

Metronome in a wood casing. Walnut color, matte silk finish. MS061W \$ 79.95

**Sabine MT9000 Metrotune**

IN-TUNE, IN TIME, EVERY TIME!

Three Products In One: Chromatic AutoTuner, Advanced Metronome and Tone Generator

An Indispensable Tool for all Musicians

Sabine's famous wood-block sounding metronome now has a continuous volume control and comes with three modes: standard, accented downbeat, and five useful rhythm figures (duplet, triplet, etc.).

ET4489 \$ 29.88



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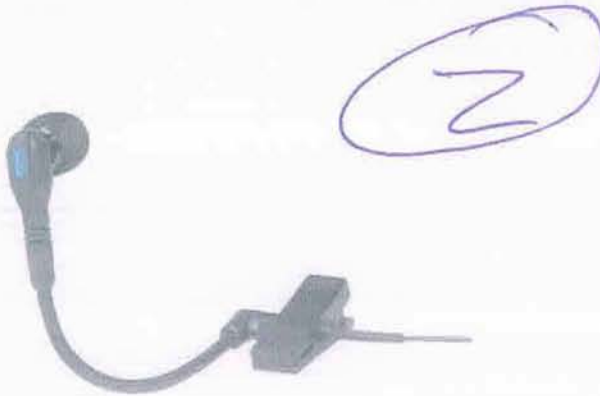
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Shure Beta 98H/C Clip-On Condenser Microphone ★★★★

#270358



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List Price: \$397.50 **Save**

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The Shure Beta 98H/C is a premium cardioid condenser instrumental mic that clamps onto the bell of wind instruments or onto the rim of percussion instruments. The Shure Beta 98H/C Microphone features an integrated gooseneck with angle brace, ratcheting swivel joint, and an isolation shockmount.

Shure Beta 98H/C Clip-On Condenser Microphone Features:

- The Beta98H/C features a 3m (10 ft.) high-flex cable with attached preamplifier (XLR connection)
- Tailored frequency response for open, natural sound reproduction
- Compact, lightweight construction provides a low degree of visibility
- Interchangeable microphone cartridges are

available:

- RPM108 - Cardioid cartridge
- RPM110 - Supercardioid cartridge

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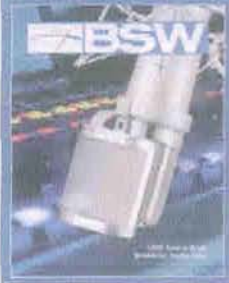
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Monster Cable P500-M-30

Your Price: \$79.95



Usually Available From Stock

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30 Ft. Gold Contact XLR Cable (600226)

If you want your performance to really stand out, you need the right microphone cable to help you cut through the mix and the crowd. P500 cable with patented Monster technologies brings out the wide open sound, the richness in vocals and the vibrant harmonic overtones of any miced instrument. An extra-dense shield reduces interference and hum, and heavy-duty Neutrik® XLR connectors with gold-plated contacts and strain relief ensure a strong, reliable, high integrity connection. Grab a P500 mic cable today and let your audio shine.

P500-M-30 is a 30 ft. cable with heavy-duty gold-contact Neutrik XLR connectors.

Features:

- Two Time Correct® multiple gauge wire networks for an even frequency response and accurate phase reproduction
- MicroFiber® dielectric increases clarity and transient response time
- High density braided shield reduces interference
- Carbon polymer shielding around conductors minimizes handling noise
- Duraflex® jacket offers maximum flexibility and durability, performance after performance



(click for larger image)

Items to Consider

- Monster Cable**
P500-M-10 \$:
10FT. GOLD CONTACT XLR
(600223)
- Monster Cable**
P500-M-20 \$:
20 FT. GOLD CONTACT XLR
- Monster Cable**
P500-M-50 \$1:
50FT. GOLD CONTACT XLR
(600227)

- Heavy-duty black Neutrik® XLR connectors with gold contacts provide durability and a professional look

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Monster Cable P500-M-20

Your Price: **\$59.95**

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20 Ft. Gold Contact XLR Cable

If you want your performance to really stand out, you need the right microphone cable to help you cut through the mix and the crowd. P500 cable with patented Monster technologies brings out the wide open sound, the richness in vocals and the vibrant harmonic overtones of any miced instrument. An extra-dense shield reduces interference and hum, and heavy-duty Neutrik® XLR connectors with gold-plated contacts and strain relief ensure a strong, reliable, high integrity connection. Grab a P500 mic cable today and let your audio shine.

P500-M-20 is a 20 ft. cable with heavy-duty gold-contact Neutrik XLR connectors.

Features:

- Two Time Correct® multiple gauge wire networks for an even frequency response and accurate phase reproduction
- MicroFiber® dielectric increases clarity and transient response time
- High density braided shield reduces interference
- Carbon polymer shielding around conductors minimizes handling noise
- Duraflex® jacket offers maximum flexibility and durability, performance after performance
- Heavy-duty black Neutrik® XLR connectors with gold contacts provide durability and a

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- Monster Cable PRO3500** 12 OUTLET POWER CONDIT W/TRI-MODE PROTECTION \$2'
- Monster Cable PRO2500** 10 OUTLET POWER CONDIT \$1'
- Monster Cable PRO2000** 12 COLOR-CODED OUTLET CONDITIONER \$1'
- Monster Cable PRO1000** 8 COLOR-CODED OUTLET F CONDITIONER \$1'

Items to Consider

- Monster Cable S100-M-20** 20 FT. XLR MALE TO XLR F CABLE \$:
- Hosa CMK025** 25' MIC CABLE, BRAIDED S 20 AWG \$:
- Mogami GS15** 15 FT GOLD STUDIO MIC C \$:
- Mogami GS25** 25 FT GOLD STUDIO MIC C \$:
- Proco AQ15** AMERIQUAD CABLE 15 FT XLRM/XLRF \$:
- Proco AQ25** AMERIQUAD CABLE 25 FT XLRM/XLRF \$:

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Proco
M20
20' MIC CABLE

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dbx DriveRack PA

Complete EQ & Loudspeaker Control System with dual 28-band EQ, dbx Compressor, Feedback Eliminator, and 120A Subharmonic Synthesizer



GET CASH! **Limited Time Offer! - \$100 DriveRack PA Rebate!**
 Purchase a dbx DriveRack PA from Sweetwater between May 1 and June 30, 2006 and receive \$100 via mail-in rebate! Submissions must be postmarked within 30 days of product purchase to qualify.
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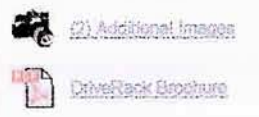
Drive Your PA To A Whole New Level!
 With the DriveRack PA, dbx has brought big-time touring technology to any band that wants to improve their sound in a one rack-space box that costs no more than a good equalizer. The DriveRack PA combines a 28-band graphic EQ, a Real Time Analyzer, a subharmonic synthesizer (for fattening up the bottom end), a compressor, an active crossover with parametric EQ, and automatic feedback suppression. It also has a limiter and speaker alignment delay on each output. The result is pro-level loudspeaker management specifications in an easy-to-operate, budget-conscious package. In other words, state-of-the-art signal processing with a simple and intuitive user interface.

DriveRack PA Reviews:
 - [Sweetwater's Review](#)
 - [Sweetwater Expert Advice](#)
 - [\(7\) Customer Reviews](#)
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Drive Rack PA at a Glance:

- A complete PA-system speaker management system - an FOH engineer in a box.
- Linkable 28-Band Graphic equalizer, real time Analyzer, and auto EQ.
- Automatic feedback eliminator and EQ for immediate sound improvement.
- 120A Subharmonic Synthesizer, crossovers, parametric EQs, and Peak Plus limiters and alignment delay.
- Industry-standard dbx stereo compressor.

DriveRack PA Media Library:



FOH Engineer in a Box

 [Spec Sheet](#)

Additional Resources:

 [Sweetwater's Live Signal Processing Guide](#)
Learn more about Compressors, gates, reverbs, EQ, and more!

 **Discuss this product!**
Ask questions, get answers about the dbx DriveRack PA in Sweetwater's [Noise Gate Forum](#).

In Session
PRODUCT REVIEW

Take a closer look at the dbx DriveRack PA through the eyes of a Sweetwater Sales Engineer.

[dbx DriveRack PA Review](#)

Have More Questions?
Call toll-free (800) 222-4700 or [click here](#) to email a Sweetwater Sales Engineer about the dbx DriveRack PA.



DriveRack PA can be not only your first upgrade to a simple P.A., but also a unit that can grow with your system as you expand it. Any band or performer who wrangles a portable sound system around without help from an engineer will appreciate both the audible improvements brought by the dbx Drive Rack PA. The Auto EQ and AFS functions can immediately benefit performers with modest P.A. systems who can't employ an engineer or spend a few years becoming one. The unit's setup wizards greatly simplify the process of getting up and running. When you're ready to delve into the dbx DriveRack PA's deepest functions in order to get the most out of its no-compromise design, you'll find that having such a rich feature set means that as your system grows, the DriveRack PA can grow with it.

RTA, Auto EQ and Feedback Elimination
The Auto EQ function is one of the key features that the DriveRack PA offers for customizing a P.A. to match the acoustic response of a specific venue. It has a pink-noise generator and Real Time Analyzer to adjust system response using the 28-band graphic EQ. A flat-response omnidirectional mic acts as the RTAs "ear." Dbx makes an inexpensive condenser mic, the [RTA-M](#) to use with the DriveRack PA.

The Auto EQ works impressively. The RTA requires a minimum sound-pressure level (SPL) at the mic to do its thing. It prompts you to raise it to "performance level," which means that it helps to have a rough idea of how loud a performance will be. There are three levels of precision. Even at the lower settings, the Auto EQ is very effective. For instance, we patched two DriveRack PAs into a theater installation, where the left and right clusters were Cerwin-Vega and the center cluster was JBL. The Auto EQ matched the sound of the two systems better than anyone had previously managed by ear, and the speakers also sounded quite good. Indeed, we needed to make no other adjustments to the system EQ during that show.

The Advanced Feedback Suppressor is as good as any that we've tried. If you set the DriveRack PA's AFS at sound check it can be quite useful, particularly if your band has no soundperson to keep an ear on things. The combination of Auto EQ and AFS can tune your system very effectively.

Audio Flexibility
Then, when you decide to expand your system - lets say you add subwoofers - the crossovers, delays, and parametric EQ in the DriveRack PA are ready to help you easily integrate your new additions. In fact, the unit's software includes setup Wizards to take the trauma out of tuning biamped or triamped speaker systems. For those more technically inclined, there's also compression and a subharmonic synthesizer on board to allow further audio flexibility.

The crossover has several filter configurations and accommodates biamped and triamped speaker systems, including mono or stereo subwoofers. Properly tweaking the crossover and each output's parametric EQ should bring a biamped or triamped speaker system very nearly flat, leaving the graphic EQ free to handle environmental and creative EQ concerns. Each output can be delayed up to 10 milliseconds to align the drivers in time.

Industry-standard dbx stereo compressor
The compressor, which goes across your entire mix, features both hard-knee compression and ten levels of Over Easy compression. (With the latter, compression starts below the threshold, and the ratio increases as the threshold is approached.) The compression sounds very good when properly applied. Dialing in a 2:1 compression ratio and about 5dB of gain reduction will add a musical fatness your sound. There are also individual peak-limiter modules for speaker protection before each of DriveRack PA's six outputs.

Drive Rack PA Features:

- Stereo Feedback Elimination with 12 feedback notch filters
- Dual 28-band Graphic EQ
- Classic dbx Compressor
- 120A Sub-harmonic Synthesizer
- 2x3, 2x4, 2x5, 2x6 Crossover Configurations
- Stereo Multi-band Parametric EQ
- Stereo Output Limiters
- Alignment Delay
- Pink Noise Generator
- Auto-EQ with 28-Band RTA
- JBL Speaker and Crown Power Amp Tunings with Setup Wizard
- 25 User Programs / 25 Factory Programs
- 2 Channel XLR Input and 6 Channel XLR Output
- Front panel RTA-M XLR input with phantom power
- 24-Bit ADC/24-Bit DAC, >110 dB Dynamic Range
- TypeIV Conversion System
- Full Graphic LCD Display

dbx's DriveRack PA is a great live-sound value!

Customer Reviews

★★★★★ **Difference maker!**

by *Mark Ballard from Kansas City, MO, October 05, 2006*
Music Background: *Owner of a rock music school*

"This unit has made my life so much easier that I can't imagine being without it! I use the unit two manage six 18's and four horns in a permanent installation situation. Once set...I am without feedback, I have infinitely more punchy bottom and the room is EQ'd perfectly! I also use the compression settings to make sure I do not blow anything. Cool unit...get one!"

- [Click Here to Read More Customer Reviews](#)
- [Write Your Own Review](#)

Sweetwater Expert Advice



"I've been working with church PA systems and mixing for over 10 years now and every room has it challenges. The DriveRack PA is the unit that has the tools to solve all of them in one box for an amazing price."
Paul Allen



"This unit eliminates the need for many outboard devices, and in doing so, it offers a higher level of fidelity - all those cables are gone! I have used it on mains and monitors. Onstage the monitors sound fuller, and at a greater volume than before. For FOH it is a time saver. I played the same club circuit repeatedly, and after one time around, all my room EQs were saved, saving me lots of setup time. Incredible flexibility, and it has my JBL's data loaded in it!"
Brian Cravers

More Feedback Reduction from dbx:

- [dbx AFS 224](#)
- [dbx DriveRack 200](#)
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SKB Mighty GigRig Rolling Rack System (Black) ★★★★

#541576



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Rolling rack for the mightiest of mixers!

The Mighty GigRig Rolling Rack System features a deep design (14U+) which holds deeper analog and digital mixers (Yamaha 01V96, Allen & Heath Mix Wizard, Mackie Onyx, etc.) The deep design allows rack gear to be mounted on the 6U front rack rails and additional rack gear mounted on optional 6U rear rack rails for a total of 12 rack units on the bottom.

The cover is designed to be used as a stand for the GigRig and places the mixer at proper mixing height when it is open and in use or the cover can be removed for a lower workstation making the new Mighty GigRig versatile for audio and AV applications. The cover will fit over installed XLR cable connectors (top or rear mounted.)

CUSTOMER REVIEWS



Want to tell other cus with **SKB Mighty Gig**? Please read our product a review for others to [write a review >](#)

Average of 6 User Rating

Overall ★★★★

Features ★★★★

The Mighty GigRig comes with locking casters and an optional wheel set for Marching Band/School applications.

SKB Mighty GigRig Rolling Rack System Features:

- Accommodates deep mixers
- Indestructible injection molded side handles
- Locking twist latches
- Includes wheel set with locking caster

Dimensions

- Interior length: 32"
- Interior width: 24"
- 14U top rack space
- 12U bottom rack space
- 26" rack depth (front to rear rail)
- Weight: 64.4 lbs

Save BIG when you buy today!

CUSTOMERS WHO SHOPPED FOR THE **SKB MIGHTY GIGRIG ROLLING RACK SYSTEM BLACK** ULTIMATELY BOUGHT

Gator GR Deluxe Rack Case - **\$199.99**

Gator GRC Slant-Top Console Rack Case - **\$184.99**

SKB SKB-RLX Roll-X Rack Case with Wheels - **\$164.99**

WHEEL SECTION BENDING

Experience w/product I own it
Reviewer's Background 15 years active music
Reviewer's Play Style rock/Alternative

I bought this cab at the suggestion should have done some research fl best part of it is that it breaks dow loaded. The bad is the bottom plast starting to bend really bad everytir part of the cab is flimsy and needs something other than plastic.

Posted by **Dant**

IT'S FRICKIN HUGE... BUT DOES TH

Experience w/product I own it
Reviewer's Background Active musician, proje
Reviewer's Play Style Rock

This thing is to normal SKB quality molded plastic that is built to last. mixer and various rack mounted ef was actually less than the standarc properly rack mount my Mackie VL expansion.

I certainly leaves room for expansi you purchase the optional rear rack power amps in this (if mounted ent need to add a 2u powered fan mod leaving room down below for a pow radio mic receivers. Up top I have with a 2u vent panel for the cable effect unit above it.

This is a great unit for a larger PA : or at the very least a large SUV to 2 lockable butterfly latches if you v stop people taking the lid off.

Posted by **Goodlime** from C

THIS RACK IS AWESOME.

Experience w/product I own it

Reviewer's Background Hobbyist / Professional

Reviewer's Play Style Mostly blues, classic rock, alternative

Only rack we could find to fit our M requires 12 rack spaces up top and make all connections. This was really AWESOME.

Features: Breaks down for travel and solid & secure latches. Casters have rolling AND from turning left or right nowhere.

Quality: SKB lifetime warranty - if End of story - what else could you

Value: This puppy is like most rack equipment that's basically just metal. Don't get me wrong, it's rugged and start thinking about \$400 for molded hardware pieces.

Overall: Awesome rack for big mix

You can see ours with some stuff on <http://geekswithblogs.net/jjulian/a>

Posted by **jrodhotrod** from

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Availability: Usually ships in 24 hours
Product Code: SDR3

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Heavy duty sliding rack drawer available in 2,3 or 4 spaces. New cabinet grade 14" full extension sliders provide smooth action. New features include larger flush mount latch and 13 gauge drawer front. Black textured enamel finish. Installed lock pictured is optional.

Newly redesigned our rackmount drawers now feature a laser cut knockout on the front panel for adding a key lock at any time, as well as a laser cut knockout in the rear for cable passage should you want to store an electronic device in the drawer. In addition, all of our drawers now feature a fully welded drawer body for maximum strength and stability.

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SDR-3/3A	5-1/4"	15"	15-7/8"	14-1/2"
SDR-4/4A	7"	15"	15-7/8"	14-1/2"

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M-8L

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Furman Sound M-8L Power Conditioner with Light Module

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Product Features

Features

Standard level filtration from radio frequencies and electromagnetic interfer

Standard level of surge suppression

Dual pull-out rack lights with dimmer control

8 rear panel outlets and one front panel outlet

Sturdy one rack space design

15 amp rating, with circuit breaker

One year limited warranty

Description

The Furman M-8L is the perfect low-cost AC power solution for many rack mount

M-Series conditioners protect your delicate electronic equipment by combining

Circuit Breaker

For safety, a circuit breaker is provided on the front panel. If the total lo

Retractable Lamps

The M-8L includes two pull-out light tubes for rack illumination. For conveni

Switches

The M-8L has a convenient master switch for the rear outlets which glows when

Warranty Information

All Merit Series Power Conditioners are protected by a limited one year warra

Specifications

Maximum Output Current: 15 amps (1800 watts at 120 VAC)

Line Cord: 6 ft. captive, 14 AWG, with three conductor Edison plug

Lamps: 2 x 5 watts

Operating Voltage: 90 to 140 VAC

Spike Protection Mode: Line to neutral

Clamping Voltage: 188 Vpk peak @ 3,000 Amps (133 VAC RMS)

Maximum Surge Current: 4,500 amps

Noise Attenuation: Transverse mode: Greater than 20dB, 1.5 to 200 MHz

Dimensions: 1.75" H x 19" W x 7.5" D

Weight: 5 lbs. (2.3 kg.)

Construction: Steel chassis, black painted

Power consumption: 10 watts

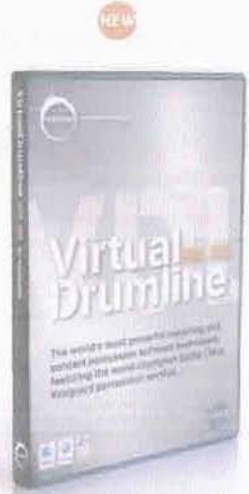
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Info on Mac OS X 10.5 Leopard compatibility

News about Sibelius 5.2 update

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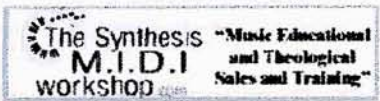
Virtual Drumline™ has made its mark as the industry standard for marching and concert percussion sounds. Composers, percussionists, studio musicians, and educators alike will discover a sonic onslaught of variety in Virtual Drumline, featuring the world champion percussion section the Santa Clara Vanguard. Using Virtual Drumline along with your favorite music composition software will arm you with enormous palette of percussive possibilities.

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The entire VDL library integrates seamlessly into Native Instruments' powerful Kontakt™ Player 2 (included). There is no need to purchase a separate sampler program. This player is capable of loading up to 64 channels of MIDI in stand-alone mode or can be run as a VSTi, AU, DXi, or RTAS plug-in within various music applications. It is a Universal application compatible with Intel/G5 Macs or Windows and will incorporate seamlessly into Sibelius 5 or Finale 2007, which both come with built-in support for Kontakt Player 2.



Featured VDL:2 dealer



VDL WHO'S WHO

Virtual Drumline™ is a valuable tool in the musical arsenal of a growing list of music professionals.

WHAT'S NEW IN VDL 2.5

- Now integrated into Native Instruments' powerful Kontakt Player 2 engine
- Universal application for Mac-Intel speed and compatibility
- Load up to 64 channels in stand-alone mode
- Save multi's for easy loading of projects
- Host VDL instruments alongside other Kontakt Player 2 formatted libraries in the same player
- New instruments – steel drum orchestra (lead pan, double seconds, triple seconds, guitar, 6-piece bass pan set), rhythm section (piano, guitar, bass guitar), waterphone, showband single tenors, swish knockers, typewriter
- Instrument Bank support
- Enhanced velocity control for more natural accent/tap sensitivity
- More specialized controls for enhanced customization on each instrument (EQ control, attack/release control, Auxiliary send levels)
- Monitor



VDL 2.5 in Kontakt Player 2
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Mod-Wheel or
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- Much Improved DFD (direct from disc) streaming functionality
- Unlimited polyphony
- Rack view and minimized view
- Integrated effects
- Searchable electronic documentation
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UPGRADE FROM VIRTUAL DRUMLINE 2

Registered users of VDL:2 are eligible for bargain pricing on the VDL 2.5 upgrade. [Click here](#) for eligibility details.

SYSTEM REQUIREMENTS

- 5 GB of free hard disk space
- DVD drive to install software
- RAM: 1 GB or more recommended
- PC users - Windows XP (required by Kontakt Player 2)
- PC users - Pentium 4 or Athlon 2.4 GHz or higher recommended
- Macintosh users - OS X 10.4 or higher (required by Kontakt Player 2)
- Macintosh users - Mac-Intel or PowerPC G5 recommended
- Notation or sequencing software to control sounds
- MIDI keyboard recommended for note input

COMPATIBILITY

- Stand-alone mode on Windows XP or Mac OS X 10.4-
- Plug-in formats (VSTi™, Audio Units™, DXI™, RTAS™)
- Audio driver formats (ASIO™, DirectSound™, MME™, Core Audio™)

Note: Virtual Drumline is not a notation program.

For more info on this and other pre-sale questions, please visit [Tapspace FAQ Central](#).

Performance Note: The KONTAKT audio engine is extremely powerful and will rely on your computer's CPU. Virtual Drumline 2.5 will work best on faster and more current CPUs. In addition to running this software, please note the additional requirements of your operating system and notation sequencer program. The more sounds you wish to run simultaneously, the more your computer specs will come into play.

Be sure to join the Virtual Drumline™ email list to be notified of the latest VDL news!

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10



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EAW
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Warranty Information
EAW FR153z 15" 3-Way Speaker Cabinet
Product #609052



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Features: *** 8.83**
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Product Information

Pristine highs, melodious mids, and big bass in a small cab.

The EAW FR153z 15" 3-Way Speaker Cabinet harnesses a 15" woofer, 6-1/2" midrange cone, and 18" HF driver on a Wave Guide Plate to produce full, even tone with perfect coverage of all frequencies. EAW's FR Speaker Series is designed for musicians and DJs who play small-to-medium-sized venues and require highly accurate sound but don't have a lot of capital. 18-ply-to-the-inch Baltic birch construction with durable polyurethane coating and ergonomically placed handles make these EAW cabs long-lasting and easy to move. Professional quality transducers, complex asymmetrical crossover slopes, and internal passive filters provide amazingly accurate sound. Works with the FR250z subwoofer polemount base to create an instant full-range PA. 500W handling. 2 parallel Neutrik NL4 Speakon connectors. 20"W x 25"H x 20"D. 79 lbs.

EAW FR153z 15" 3-Way Speaker Cabinet Features:

- 15" woofer
- 6-1/2" mid cone
- 18" HF driver on a Wave Guide Plate
- 18-ply-to-the-inch Baltic birch construction
- Durable polyurethane coating
- Ergonomically placed handles
- Professional-quality transducers
- Complex asymmetrical crossover slopes
- Internal passive filters
- Works with the FR250z subwoofer polemount base
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- 20" W x 25" H x 20" D
- 79 lbs.

Your music deserves the best sound you can afford. Make this quality speaker yours today for less than you'll find it anywhere else, guaranteed.

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Overall: *** 10 Product: EAW FR153z 15" 3-Way Speaker Cabinet**

Jul 27, 2004 - This speaker is incredible. I dj at all top clubs in nyc ever dj who used this speaker loves it. These speakers are used at club stereo in montral and club splash nyc.

EAW three way

Features: *** 10 JK RB 250 from Gwinn, MI**
Quality: *** 10 Experience: I own it**
Value: *** 9 Background: Active Musician**
Overall: *** 10 Style of Music: Bluegrass**
Product: EAW FR153z 15" 3-Way Speaker Cabinet

Feb 20, 2004 - For an acoustic band the speakers have been amazing. Vocals and instruments come out crystal clear. Improved our sound greatly.

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Mackie SA 1532Z x 2\$1799.99 per speaker



Pump Up the Volume with Mackie Speakers!

Get ready to blow your audience's socks off with the new Mackie SA1532z Active loudspeakers! The SA1532z is a result of a collaboration between Mackie and Eastern Acoustic works that packs 1300 watts of wallop into an innovative enclosure and delivers amazingly clean, open sound.

Mackie SA1532z at a Glance:

- * New design with increased power, recalibrated electronics and audiophile tuning
- * Clean, clear sound from dual 15" woofers, 6" midrange and 1.75" tweeter
- * Unique horn design focuses mids and highs
- * 1300 watts of power
- * Super-efficient cabinet design by Eastern Acoustic Works

New design with increased power, recalibrated electronics and audiophile tuning

The Super Active SA1532z PA speakers are designed to improve upon the award-winning Mackie SA designs of the past with maximized power, recalibrated active electronics, high-definition neodymium drivers, as well as extensive acoustic design and tuning by the world-renowned Eastern Acoustic Works engineering team. These speakers give you maximum sound from a compact footprint, making them ideal for gigging in clubs and touring in the van.

Clean, clear sound from dual 15" woofers, 6" midrange and 1.75" tweeter

The SA1532z 3-way system employs several distinct elements to achieve its amazing accuracy and full, natural sound. Frequencies above 3kHz are produced by a 1.75" neodymium compression driver, while a 6" neodymium midrange transducer operates between 700Hz and 3kHz - eliminating the placement of a crossover point in the center of critical voice frequency range. The SA1532z employs two 15" low-frequency drivers for clean, tight bass. Frequency response for the SA1532z is a remarkably full 38Hz-20kHz.

Unique horn design focuses mids and highs

Additionally, the SA1532z features an optimized wide-dispersion WaveFront horn design - a sophisticated one-piece 90 x 40-degree horn that combines both mid- and high-frequency drivers. Unlike typical mid/high horn designs, the high-frequency section fires slightly downward into the six-inch mid-range driver's dispersion pattern, creating a focused, single wave front with excellent phase and power response characteristics. The resulting 90 x 40-degree dispersion pattern provides open, natural sound for the entire audience, even at extreme output levels - giving the 3-way SA1532z loudspeakers a distinct high-definition signature across the range.

1300 watts of power

The new SA1532z loudspeaker offers maximum power for its class - a massive 1300 total watts! The completely recalibrated active electronics, which include precision crossovers, level protection and electronic time correction, work in concert with the new neodymium mid- and high-frequency drivers to deliver greater accuracy, increased output, and reduced weight. To ensure maximum structural rigidity, the SA1532z features robust cabinets constructed from 18mm Baltic birch plywood and pressure-injected structural resin.

Super-efficient cabinet design by Eastern Acoustic Works

In addition, the new SA1532z was developed and tuned exclusively by the Eastern Acoustic Works (EAW) engineering team. As a result of their efforts, every model in Mackie's new SA Series range functions as a highly efficient system, optimizing acoustic, electronic and mechanical designs to achieve the highest level of performance and value.

Mackie SA1532z Features:

- * Two 15" low-frequency drivers
- * 6" neodymium midrange transducer
- * 1.75" neodymium compression tweeter
- * 90 x 40-degree horn for open, natural sound
- * Frequency response 39Hz-20kHz
- * Peak SPL 139dB @ 1 meter
- * 1300 watts total power
- * Re-calibrated active electronics
- * Precision crossovers
- * Built-in protection circuit

PreSonus DigiMax FS.....\$599.99



The PreSonus DigiMax FS is an 8-channel microphone preamplifier, with 24-bit/96kHz ADAT dual SMUX I/O and word clock I/O. Loaded with direct outputs and inserts on every channel, the DIGIMAX FS is the perfect hardware expansion for your FireStudio or any digital recording system with optical light pipe expansion capability including DigiDesign's HD and 002 systems, RME, YAMAHA, Alesis, Mackie, and many others.

PreSonus DigiMax FS at a Glance:

- * New jitter reduction technology for smear-free audio
- * Handles wide variations in clock frequencies

New jitter reduction technology for smear-free audio

The DigiMax FS is loaded with new patented JetPLL jitter reduction technology ensuring ultra-high converter performance, fast and robust locking through a wide range and variation of frequencies and noise shaping to remove nearly all audio band jitter.

Handles wide variations in clock frequencies

The DigiMax FS locks up to any digital format quickly, through a wide range of frequencies. It's extremely robust and tolerant of wide variations in clock frequencies. This ensures near-perfect clock performance when networking audio devices.

PreSonus DigiMax FS Features:

- * Eight Class A microphone preamps w/ trim control
- * 24-bit resolution, 44.1, 48, 88.2, and 96kHz sampling rate
- * 96kHz ADAT input and output (dual SMUX)
- * JetPLL jitter reduction technology for ultra tight synchronization
- * Direct outputs and inserts on every channel
- * Word clock input and output
- * Ensures highest converter performance possible, resulting in better separation



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May 6, 2008

Northwestern State University
Creative and Performing Arts

RE: Yamaha Disklavier Upgrade Quote

7 – Yamaha DSR-1 Disklavier Upgrade Modules and Labor to properly install

@ \$989.00

\$6,923.00

Should you have any questions, please do not hesitate to contact me, 318-443-6365.

Sincerely,

Raymond J. Goodrich, II
President



Canada's Musical Instrument Megastore



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NEWSLET

YAMAHA DSR1 Digital Sequencer Recorder For Disklavier, Clavinova & Hybrid Models MIDI Module

Product #73636 Catalogue #DSR-1



More from YAMAHA



- Internal xg tone generator
- PC interface
- Easy add-on installation
- General MIDI compatible

View Larger Product Image

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DG81 4'11 Disklavier Grand, In Polished Ebony, With Matching Bench.



YU55 52" Super Deluxe Upright Piano In Polished Ebony With Matching Bench



F11PE Modus Player



NEW ARRIV

YAMAHA DC3M4T 6'1 Disklav Grand In Popolu Ebony With Bench

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C113TB Pe 44.5" U Piano In Popular P Ebony With Matchi

ESSEX





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DSR1**Digital Sequencer Recorder****Plug Into a New World of Musical Enjoyment**

Now there's an easy way to give your MIDI-equipped Yamaha digital or digital/acoustic piano recording, playback and other advanced capabilities. Simply plug in the new DSR1 Digital Sequencer Recorder. Ideal for MIDIPIANOs, and GrandTouch pianos, or an an upgrade for earlier-model Disklavier pianos, the DSR1 harnesses the power of today's Disklavier Mark IIXG technology to expand your piano's capabilities and extend your musical horizons.

Play along with a Full Orchestra

Equipped with an internal XG tone generator, the DSR1 provides nearly 700 digitally sampled voices – strings, brass, woodwinds, percussion, special effects and more – some that you can play right from your piano keyboard, either independently or in conjunction with the piano. This multivoice capability also allows you to use your piano as a complete entertainment system, reproducing richly orchestrated professional recordings.

Turn Your Piano into a Recording Studio

With the DSR1, you can record keyboard performance into internal memory or onto standard floppy disks, and reproduce it. You can replay favorite songs at the touch of a button, in any key or tempo. Keep permanent records or players' progress, and exchange music files with other DSR1 owners, Disklavier pianists or MIDI musicians. And its multi-track sequencer lets you record up to 16 tracks of piano and a choice of 128 instrumental sounds to create sophisticated ensemble arrangements.

Let Your Piano Entertain You

DSR1 gives you access to a wide variety of pre-recorded PianoSoft™, PianoSoft Plus™ disks, as well as the vast library of Standard MIDI disks now available right in your own home. Mute the piano or any instrumental part to play along with the pros.

Fully Compatible

And since it's fully compatible with the General MIDI standard, you can play back Standard MIDI File disks without having to configure MIDI channels or instrumental assignments.

Educational

Take advantage of educational disks designed to help you learn or improve. Even work out a difficult song or passage by playing one hand at a time, while your piano plays the other!

Connect to the Power of Your PC

Built-in serial interface for Macintosh and Windows computers allows easy access to expanding universe of software, peripherals and online music resources. Record your performance to your computer's hard drive or control the DSR1 from your PC. Assemble and edit multi-part arrangements at your computer for playback. Print out the music you play, through music notation software and your computer printer. Download MIDI files from the Internet to add to your repertoire.

Easy Add-On Installation

Designed to integrate effortlessly with your MIDI-equipped Yamaha piano, the DSR1 is simple to set up and use. Just connect MIDI and audio cables to your piano, select your piano type and you're ready to play! You can set the DSR1 on top of your piano or place it conveniently off to one side.

Requirements

Designed for use with Yamaha pianos equipped with a digital piano tone generator (or a Disklavier reproducing system) and MIDI connections.

Yamaha MIDIPIANOs

Yamaha MIDIPIANOs reproduce digital piano and ensemble sound through headphones or external amplification systems. GranTouch pianos utilize internal speakers and amplification.

Reproduction of Acoustic Piano

Reproduction of acoustic piano performance, including the lifelike motion of keys and pedals during playback, requires the advanced drive components found only on Yamaha Disklavier pianos and is only possible with these instruments. Disklavier pianos reproduce piano tones on the strings of the piano, requiring headphones or external powered speakers for ensemble sound reproduction.

Functionality

Functionality may vary, depending on available connections on the host piano. Please check with your Yamaha dealer for more complete information on using the DSR1 with your piano.

Specifications:

Data Storage	3.5" 2HD/2DD floppy disks; Internal Memory Disk (1MB)
File Format	E-SEQ, SMF (format 0,1)
Tone Generation	676 normal voices, 21 drum kits, 32-note polyphonic, 16-part multi-timbral
Recording	16 tracks, L/R (split or full keyboard), Track editing functions
Playback	L/R part select; Volume, tempo, transpose, piano/ensemble balance controls; Song select, music search, repeat functions
Metronome	Visual/audible, 30 ~ 400 bpm, 1/4 ~ 9/4 time
Utility Functions	Song copy, sort, delete, convert; Disk format, copy, convert, title
Connectors	MIDI In, MIDI Out, Piano In, Piano Out, Output (Line/Phones), AUX In, To Host (MIDI, PC1, PC2, MAC)
Power Supply	12 V DC, supplied form AC adapter
Dimensions	316 x 60 x 209 mm (12 1/2" x 2 1/2" x 8 1/4")
Weight	2.0 kg (4.4 lbs.)

Accessories:

Included:

Remote Control	Wireless Remote Control with Batteries
Adapter	AC adapter


Cables Audio (2), MIDI (2)
Disks PianoSoft sample disk, Blank floppy disk
Owner's Manual



NORTHWESTERN STATE
UNIVERSITY OF LOUISIANA
Natchitoches, LA 71497

Mrs. H. D. Dear, Sr. and Alice E. Dear
School of Creative and Performing Arts
Music (318) 357-4522
Art (318) 357-4483
Theatre (318) 357-5744
FAX (318) 357-5906

TO: Jennifer Long
Student Technology Fee Grant Coordinator

FROM: Bill Brent 
Director, School of Creative and Performing Arts

DATE: May 2, 2008

RE: Grant Request prepared by Kappa Kappa Psi, Theta Nu Chapter

Theta Nu Chapter of Kappa Kappa Psi is submitting a grant to be funded through Student Technology Fee Grants. Please consider this letter my endorsement of the grant application.

The School of Creative and Performing Arts has seven disklavier pianos that are in serious need of technology upgrades. These pianos are available to the nearly 200 music majors for individual practice and rehearsals in student practice rooms and faculty studios. They are purchased approximately 10 years ago with a grant received from the Board of Regents and the technology that is available has greatly improved.

Upgrading the pianos will benefit the music students tremendously and increase the use of the pianos.

Thank you for your consideration and feel free to contact me with any questions concerning this matter.



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School of Creative and Performing Arts

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Art (318) 357-4483
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May 2, 2008

To Whom It May Concern:

Please consider this a letter of endorsement for the Student Technology Grant that is being submitted by the Theta Nu Chapter of Kappa Kappa Psi that will provide technology equipment for the music program at Northwestern. This equipment will greatly enhance the offerings for music students in the School of Creative and Performing Arts.

Thank you for your consideration.

Sincerely,

Steven G. Horton, Dean
Acting Dean, College of Liberal Arts
Graduate Studies and Research
Associate Provost



STUDENT GOVERNMENT ASSOCIATION

NORTHWESTERN STATE UNIVERSITY

A Member of the University of Louisiana System

Natchitoches, Louisiana

318.357.4501

To: Student Technology Advisory Team

From: Cody Bourque

Student Body President

Date: May 4, 2008

Re: Kappa Kappa Psi Grant Request

I recommend with the utmost sincerity the STAT grant submitted by Kappa Kappa Psi.

This grant will better enhance music education and performance majors experience here at Northwestern State and also help support the Spirit of Northwestern Marching Band which has a student membership of over 275 and countless alumni who continue to support the university today.

Thank you for your consideration.



Cody Bourque

Northwestern State Student Body President

From the desk of Cody W. Bourque



A Member of the University
of Louisiana System

Office of the Dean
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Telephone (318) 357-5851
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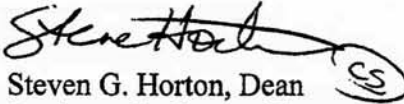
April 11, 2007

TO WHOM IT MAY CONCERN:

Please consider this a letter of endorsement for the Student Technology Grant that is being submitted by the Theta Nu Chapter of Kappa Kappa Psi that will provide technology equipment for the NSU Band Room. This will greatly enhance the use of that facility.

Thank you for your consideration.

Sincerely,


Steven G. Horton, Dean ^{CS}
Graduate Studies and Research
Associate Provost



NORTHWESTERN STATE
UNIVERSITY OF LOUISIANA
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Theatre (318) 357-5744
FAX (318) 357-5906

To: Jennifer Long,
Student Technology Fee Grant Coordinator
From: Bill Brent *B. Brent*
Director, School of Creative and Performing Arts
Date: April 11, 2007
RE: Grant Request prepared by Kappa Kappa Psi, Theta Nu Chapter

Theta Nu Chapter of Kappa Kappa Psi is submitting a grant to be funded through Student Technology Fee Grants. Please consider this letter my endorsement of the grant application.

The NSU Band Room is used by numerous classes as well as the primary rehearsal hall for the University Bands. Approximately 400 students use the band room three times a week during each semester.

The grant, if funded, will provide much needed technology equipment for the NSU Band Room. At the present time, there is no equipment in the NSU Band Room that will allow us to play back recordings of either marching band or concert band performances. Once the equipment is installed, we will be able to utilize this as a teaching tool to enhance the performances of the band in both concert and marching seasons.

In addition, the equipment will be utilized for instruction in conducting classes, instrumental technique classes and the marching band technique classes for students to view and/or hear their assignments or other appropriate educational subject matter.

Thank you for your consideration and feel free to contact me with any questions concerning this.

STAT
May 8, 2008
4:30 p.m.
Watson Library, Room 113A

Signature Sheet

<u>Print Name</u>	<u>Campus Rep</u>	<u>Signature</u>	<u>Date</u>
<u>Mark Daniels</u>	<u>Natchitoches</u>	<u>[Signature]</u>	<u>5/8/08</u>
<u>Bital Khurshid</u>	<u>Natchitoches</u>	<u>[Signature]</u>	<u>05/8/08</u>
<u>Cody Bourque</u>	<u>Natchitoches</u>	<u>[Signature]</u>	<u>5/8/08</u>
<u>Shaun Coppel</u>	<u>Natchitoches</u>	<u>[Signature]</u>	<u>5-8-08</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Non-voting Advisor
Jennifer Longman [Signature] 5/8/08

Guest:

SGA President
[Signature]
Signature
5-8-08
Date

STAT
May 8, 2008
4:30 p.m.
Watson Library, Room 113A

Signature Sheet

<u>Print Name</u>	<u>Campus Rep</u>	<u>Signature</u>	<u>Date</u>
<u>Mark Daniels</u>	<u>Northwich</u>	<u>[Signature]</u>	<u>5/8/08</u>
<u>Bital Khurshid</u>	<u>Northwich</u>	<u>[Signature]</u>	<u>05/8/08</u>
<u>Colin Bourque</u>	<u>Northwich</u>	<u>[Signature]</u>	<u>5/8/08</u>
<u>Shayla Campbell</u>	<u>Northwich</u>	<u>[Signature]</u>	<u>5-8-08</u>
<u>R. Joe Campbell</u>	<u>Shreveport</u>	<u>[Signature]</u>	<u>5-8-08</u>
_____	_____	_____	_____
_____	_____	_____	_____

Non-voting Advisor

Jennifer Longman [Signature] 5/8/08

Guest:

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SGA President

[Signature] 5-8-08
Signature Date

NORTHWESTERN STATE UNIVERSITY

COLLEGE OF NURSING
SHREVEPORT CAMPUS
1800 LINE AVE
SHREVEPORT, LA 71101
318-677-3015
318-677-3016 (FAX)

FACSIMILE TRANSMITTAL SHEET

TO: Jennifer Martin	FROM: Kimberly Stringer – Student Services
COMPANY:	DATE: 5/12/2008
FAX NUMBER: 318-357-6484	TOTAL NO. OF PAGES INCLUDING COVER: 02
PHONE NUMBER:	SENDER'S PHONE: 318-677-3014
RE: STAT Sheet	YOUR REFERENCE NUMBER:

URGENT FOR REVIEW PLEASE COMMENT PLEASE REPLY PLEASE RECYCLE

NOTES/COMMENTS

STAT
May 8, 2008
4:30 p.m.
Watson Library, Room 113A

Signature Sheet

<u>Print Name</u>	<u>Campus Rep</u>	<u>Signature</u>	<u>Date</u>
<u>Mark Daniels</u>	<u>Natchitoches</u>	<u>[Signature]</u>	<u>5/8/08</u>
<u>Bilal Khurshid</u>	<u>Natchitoches</u>	<u>[Signature]</u>	<u>05/8/08</u>
<u>Col. Bourque</u>	<u>Natchitoches</u>	<u>[Signature]</u>	<u>5/8/08</u>
<u>Shakia Cresp</u>	<u>Natchitoches</u>	<u>[Signature]</u>	<u>5-8-08</u>
<u>Kimberly A. French</u>	<u>Shreveport</u>	<u>[Signature]</u>	<u>5/8/08</u>
_____	_____	_____	_____
_____	_____	_____	_____

Non-voting Advisor

Jennifer Louise Martin [Signature] 5/8/08

Guest:

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

SGA President

[Signature]
Signature

5-8-08
Date

STAT
Watson Library, Room 113A
4:30 p.m. – 6:02 p.m.
May 8, 2008

Present:

Shayne Creppel, SGA President, Natchitoches
Cody Bourque, Incoming SGA President, Natchitoches
Bilal Khurshid, Natchitoches Student Representative
Mark Daniels, Natchitoches Student Representative
Jessica Bolton, Ft. Polk Campus Student Representative
Kim French, SGA President, Shreveport
Joe Campbell, Incoming SGA President, Shreveport
Jennifer Long-Martin, Student Technology Support Specialist/Recorder

The chair, Shayne Creppel, called the meeting to order at 4:30 p.m., Jennifer Long Martin acting as Recorder of the minutes.

The first item on the agenda was to approve the minutes from October 11, 2007; Mark made the motion, Cody seconded; motion carried. The other minutes from December 13, 2007; Bilal made the motion, all in favor; motion carried.

The next item on the agenda was a letter presented to STAT from the Chemistry department on the NMR Spectrometer not funded with reserve funds through Student Technology. The STAT committee passed on funding this piece of equipment to use the funds on other projects. The item was tabled; Joe made a motion to not table nor fund the equipment; Kim seconded, motion carried.

Jessica made a motion to place the \$150,000.00 from the Chemistry project and \$450,000 from the Multimedia Classroom project back into the budget; Cody seconded, motion carried.

The committee reviewed projects presented during the grant proposals. Projects fully funded:

Nursing - #2008.014; \$42,093.51; Joe made the motion; Kim seconded, motion carried.

Nursing - #2008.015; \$4,514.00; Mark made the motion; Jessica seconded, motion carried.

Biology - #2008.021; \$48,274.08; Mark made the motion; Kim seconded, motion carried.

Shayne spoke on a proposal submitted to STAT from the Journalism department in the amount of \$109,391.00. After discussion of the needs for the department, Mark made a motion to fund; Jessica seconded, motion carried.

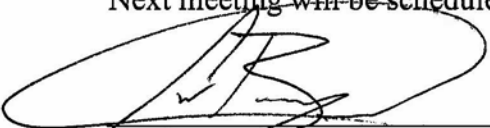
Next, Mark discusses a proposal from the CAPA department in the amount of \$18,335.13. After discussion, Kim made a motion to fund; Joe seconded, motion carried.

At this time, Jennifer updates the STAT committee on the NSTEP problems and approval process.

Jessica made a request for a license for Site Kiosk in the amount of \$2,000.00 for the Ft. Polk campus. Joe made the motion to fund; Bilal seconded, motion carried.

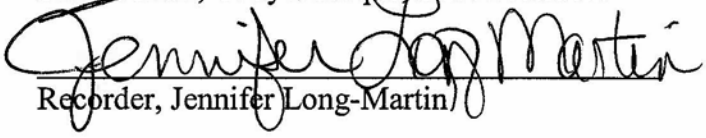
With no old business to address the meeting was adjourned at 5:59 p.m.

Next meeting will be scheduled at a later date.



STAT Chair, Cody Bourque, SGA President

9-16-08
Date



Recorder, Jennifer Long-Martin

9/16/08
Date

The breakdown budget listed below was approved by the STAT committee on 10/11/07

Description	Qty.	Department	Price Each	Total
Multimedia Classrooms	14-26	Business Department		\$ -809,319.92
Workstations for multimedia	14-26	All locations	\$ 1,137.60	\$ -29,577.60
Software of workstations	14-26	All locations	\$ 52.91	\$ -1,375.66
Locks for multimedia classrooms	14-23	All locations	\$ 780.00	\$ -17,940.00
SPSS Software	(19) 43	Student Lab Software	\$ 1,329.14	\$ 57,153.02
CAPA - Band Equipment	24	Yamaha YSH-411SWC Sousaphones	\$ 5,100.00	\$ 122,400.00
CAPA - Band Equipment	2	Bach Stradivarius Trombones	\$ 2,500.00	\$ 5,000.00
CAPA - Band Equipment	25	YMP204MS Marching Brass Mellophone w/cases	\$ 1,550.00	\$ 38,750.00
CAPA - Band Equipment	25	YEP202MS Marching only Euphoniums	\$ 1,850.00	\$ 46,250.00
CAPA - Band Equipment	2	Buffet BC1231-5-0 "A - Clarinets"	\$ 3,200.00	\$ 6,400.00
CAPA - Band Equipment	1	Loree Model "i+3" Professional English Horn	\$ 8,900.00	\$ 8,900.00
CAPA - Band Equipment	1	Fox Professional Fox English Horn - Model #510	\$ 5,200.00	\$ 5,200.00
CAPA - Band Equipment	1	Bass Clarinet	\$ 6,500.00	\$ 6,500.00
CAPA - Band Equipment	24	YAC 1077P Vinyl Coated flexible cleaning rod	\$ 50.00	\$ 1,200.00
CAPA - Band Equipment	12	YAC 1061 Silver polish	\$ 3.00	\$ 36.00
CAPA - Band Equipment	1	YAC 1461P - alto/bass clarinet strap	\$ 7.50	\$ 7.50
Distance Learning Equipment	1	Electronic Learning	\$ 8,337.79	\$ 8,337.79
Distance Learning Equipment	1	Electronic Learning	\$ 5,064.36	\$ 5,064.36
Distance Learning Equipment	1	Electronic Learning	\$ 7,882.65	\$ 7,882.65
Student Storage	1	Student Technology	\$ 114,802.72	\$ 114,802.72
Iclicker Response System	200	Shrveport - Nursing <i>wait</i>	\$ 35.00	\$ 7,000.00
Printer's for student labs	3	Shrveport - Nursing	\$ 13,854.00	\$ 13,854.00
METI Standard Man	1	Shrveport - Nursing	\$ 77,000.00	\$ 77,000.00
Multimedia Classrooms	1	Chemistry - Room 123 <i>i-clicker - wait</i>	\$ 53,960.00	\$ 53,960.00
Multimedia Classrooms	1	Chemistry - Room 107 & 231 <i>i-clicker - wait</i>	\$ 66,967.00	\$ 66,967.00
GC-MS-Mass Spectrometer	1	Chemistry	\$ 114,300.00	\$ 114,300.00
X NMR Spectrometer *	1	Chemistry <i>wait to order - cancelled</i>	\$ 150,000.00	\$ 150,000.00
Agilent Liquid Chromatograph	1	Chemistry	\$ 39,000.00	\$ 39,000.00
Capillary Electrophoresis	1	Chemistry	\$ 52,500.00	\$ 52,500.00
Maldi Spectrometer	1	Life Sciences	\$ 260,000.00	\$ 260,000.00
		Total	\$ 1,001,863.67	\$ 2,126,678.22

462,259.96

95,926.9

746.74

10,920.

Sharon E. Creppel 2007-2008 SGA President

This is the proposed budget that will be discussed and presented to the STAT committee for approval, this has not been approved, just proposed

Description	Qty.	Department	Price Each	Total
Multimedia Classrooms	2	Business Department	\$ 30,000.00	\$ 60,000.00
Multimedia Classrooms	6	CAPA	\$ 30,000.00	\$ 180,000.00
Multimedia Classrooms	1	Scholars' College	\$ 30,000.00	\$ 30,000.00
Multimedia Classrooms	3	English Department	\$ 30,000.00	\$ 90,000.00
Multimedia Classrooms	4	Math Department	\$ 30,000.00	\$ 120,000.00
Multimedia Classrooms	5	Education Department	\$ 30,000.00	\$ 150,000.00
Multimedia Classrooms	1	Health & Human Performance	\$ 30,000.00	\$ 30,000.00
Multimedia Classrooms	1	Student Support Services	\$ 30,000.00	\$ 30,000.00
Multimedia Classrooms	3	Shrveport - Nursing	\$ 30,000.00	\$ 90,000.00
Workstations for multimedia	25	All locations	\$ 1,137.60	\$ 28,440.00
Software of workstations	25	All locations	\$ 52.91	\$ 1,322.75
Locks for multimedia classrooms	25	All locations	\$ 780.00	\$ 19,500.00
SPSS Software	43 (19 circled)	Health & Human Performance Student Lab	\$ 1,329.14	\$ 25,253.66
Band Equipment	25 (24 circled)	Horns for student use	\$ 5,000.00	\$ 125,000.00
Distance Learning Equipment	1	Electronic Learning	\$ 8,337.79	\$ 8,337.79
Distance Learning Equipment	1	Electronic Learning	\$ 5,064.36	\$ 5,064.36
Distance Learning Equipment	1	Electronic Learning	\$ 7,882.65	\$ 7,882.65
Student Storage	1	Student Technology	\$ 82,000.00	\$ 82,000.00
Total			\$ 381,584.45	\$ 1,082,801.21

24m lab

Iclicker Response System - \$35 - 200

Shrveport - Printer - 4

METI Standard Man - \$77,000

9000 - TW

CAPA - equipment - \$2000 - 25 pc. - machine
 2 - \$2000 - trumples = \$2000 - 25 - french pans
 \$ 1000 - 2 - chairs
 \$ 4000 - 1 - ^{horkah} bench
 2 - bench seats

1 Washington
 2 Big
 1 Small lab

ECE - best mis - prefer not like up there now