Student Technology Fee
Special Initiative Request Form
Fiscal Year 2010-11
Northwestern State University of Louisiana

ALL BLANKS MUST BE FILLED COMPLETELY

Prepared by: _____Gil Gilson_____ For: __ Warrington Complex_____

Department/Unit: ___Nursing_____ College:_Nursing_____ Campus: Shreveport_____

Which NSTEP Goals/Objectives does this project meet?   ___1,5,7,8_____

Requested equipment will be located/installed/housed? Building   __300 ____ 7 locations

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:_____Gil Gilson_____ Date: _____8/12/20010_____

Proposal Requested Amount: $__10,850.00_____ Budget Attached (circle one): YES/NO

Proposal delivered to Student Technology located in Watson Library, Room 113. Date_8-13-10_

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.

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1. Describe target audience.

   Audience will be all students attending general education classes, nursing classes and labs, radiologic sciences classes and labs in Warrington Place Complex. NSU Child and Family Network faculty staff and students/clients will also have classes in the Warrington Complex.

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

   Install camera surveillance system at the 1800 Warrington Place Nursing/Radiologic Sciences/Child and Family Network Complex to protect and record lab sessions for students operating the 5 human simulators located in 3 labs.

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

    The safety of NSU students, faculty, staff, and NSU Child and Family Network students and clients is one of the objectives of installing this equipment. On site security will be able to monitor parking and inside areas with this equipment. A second object of this project is to monitor the safety and security of the over $300,000 of nursing patient simulators which are housed in labs located in Warrington Complex. This will allow Nursing to record, grade and review students during lab sessions for later evaluation with the student and professor. Part of this simulator equipment was purchased through prior Student Technology Fee Special Initiatives funds.

4. Indicate how each project objective will be evaluated.

    This project will be evaluated by the additional security supplied by these surveillance cameras. Our security service will monitor this system during open hours to insure that the equipment is secure and insure that no one will do damage to this equipment. The continued safety of these areas will be the major areas of evaluation. Also, the progression and evaluation of clinical students operating the 5 human simulators which will be recorded and reviewed by the nursing clinical professors.

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?

    Objectives that will be addressed:
    1. (1) Improve access to technology by student, faculty, and staff by insuring the continuous safety of all of the technology located in the Warrington Complex. (xray equipment, human simulators, student computer labs)
        (8)Encourages innovation in teaching and class presentation for faculty, staff, and students. Teachers will have the ability to view procedures on the simulators that will be recorded on the cameras in the simulation labs for later review with students.
        (5)Help upgrade the Nursing Warrington Education Center to a state of the art facility.
        (7) Encourages technology initiatives by students, Faculty, Staff.

    Funding of this project will directly affect NSTEP and NSU objectives that are stated in NSTEP document. Funding of this project will give our clinical nursing students state of the art learning labs on the Shreveport Campus.

2. 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.

   During the academic year over 800 clinical students will have clinical classes in the Warrington Labs, Over 800 nursing and general education students will have classes in the facility. NSU Child and Family Network has over 3600 students attend workshops and training sessions during an academic year.

3. 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.

   Gil Gilson, Director Support Service Shreveport Campus. Gil Gilson has demonstrated his ability to complex tasks at the University for of 24 years and for over 10 years at the Nursing Campus in Shreveport.

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

   Will require the support of our Technical Media Director, David Lamb. Set up and training supplied by vendor. Additional support by Gil Gilson.

5. Provide a schedule for implementation and evaluation.

   Implementation will start as soon as funding is available and evaluation will start when system is installed.

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

   Equipment should last up to 10 years with computer upgrades and software upgrades that are required to maintain the systems.

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.

This equipment will be hardwired in the Warrington complex, this equipment will be monitor by our security company and Gil Gilson will have internet access to view the complex 24/7. This complex is monitored by our security company during working hours and locked and secured at the end of each day. If alarms are activated the security company responds and notifies the Shreveport Police Department.

12. Attach a detailed budget.
Attached

Jett Business Systems, Inc.

Prepared For:

NSU College of Nursing - Line Ave.
1800 Line Ave.
Shreveport, LA 71101

Attn: Gil Gilson(422-5100)

Submitted By:

Rick Elliott
Jett Business Systems, Inc.
1452 Hawn Avenue
Shreveport, LA 71107
318-424-9542 / 318-424-0008 Fax
relliott@jettbusiness.com

Everfocus 16 Channel Paragon DVR

Name	Price Per Unit	Units Sold	Total
Everfocus H.264 Paragon EVE-EPARA26416X4iT 16 Channel Paragon DVR with 1 TB of Storage and 480 fps with DVD Burner	2950.00	1.00	2950.00
		Category Total	2950.00

Notes

Installation

Name	Price Per Unit	Units Sold	Total
Labor to install each new DVR, HDTV and cameras and program the system	400.00	1.00	400.00
		Category Total	400.00

Notes

Summary

Category	Total
Everfocus 16 Channel Paragon DVR	2950.00
Installation	400.00
TOTAL	$3350.00

Notes

This order is effective only upon signing of both parties. This order is non-cancelable. Customer represents that all actions required to authorize the execution of this order on behalf of the company by the following signatory has been taken.	The Equipment has been received and/or installed and is in good working order. Accordingly, Customers will here by authorize payment as previously discussed for equipment and labor to Jett Business Systems.
(Full legal name of Company)	Signature: Date:
Signature: Date:	Print Name: Title:
Print Name: Title:	Customer Purchase Order No._____
Acceptance Date: Vendor: _____*Jett Business Systems*	Tax Exemption: Yes____ (Need copy of Tax Exemption Certificate) No____
Accepted By:	(Breakdown Tax %) State_____ %_____ County/Parish_____ %_____ City _____ %_____

IP and CCTV Surveillance Camera Systems   Electronic Access Control Systems

Jett Business Systems, Inc.

Everfocus Surveillance Camera System

Name	Price Per Unit	Units Sold	Total
Everfocus EHD500IR Vandalproof Color Dome Camera with IR illuminators and 560tvl of resolution	260.00	7.00	1820.00
Acer 22" LCD High Definition Color Monitor	295.00	1.00	295.00
Power Supply	145.00	1.00	145.00
Cable, Connectors, etc.	850.00	1.00	850.00
		Category Total	3110.00

Notes

Installation

Name	Price Per Unit	Units Sold	Total
Labor to install the existing DVR, Monitor and cameras and program the system	3700.00	1.00	3700.00
		Category Total	3700.00

Notes

Summary

Category	Total
Everfocus Surveillance Camera System	3110.00

Installation		3700.00
	TOTAL	$6810.00

Notes

This order is effective only upon signing of both parties. This order is non-cancelable. Customer represents that all actions required to authorize the execution of this order on behalf of the company by the following signatory has been taken.	The Equipment has been received and/or installed and is in good working order. Accordingly, Customers will here by authorize payment as previously discussed for equipment and labor to Jett Business Systems.
(Full legal name of Company) Signature: Date: Print Name: Title: Acceptance Date: Vendor: _____*Jett Business Systems* Accepted By:	Signature: Date: Print Name: Title: Customer Purchase Order No._____ Tax Exemption: Yes____ (Need copy of Tax Exemption Certificate) No____ (Breakdown Tax %) State_____ %_____ County/Parish_____ %_____ City _____ %_____

IP and CCTV Surveillance Camera Systems   Electronic Access Control Systems

Jett Business Systems, Inc.

QUOTE FOR:	Date:
CCTV System Installation	8/11/2010

Prepared For:

NSU College of Nursing
1800 Line Ave.

Shreveport, LA 71101
Attn: Gil Gilson

Submitted By:

Rick Elliott
Jett Business Systems, Inc.
1452 Hawn Avenue
Shreveport, LA 71107
318-424-9542 / 318-424-0008 Fax
relliott@jettbusiness.com

Outdoor camera replacement

Name	Price Per Unit	Units Sold	Total
Speco CVC-865DN Color Camera with 580 TVL of resolution	320.00	1.00	320.00
Speco VF660N Lens 6-60mm varifocal	120.00	1.00	120.00
Installation	250.00	1.00	250.00
		Category Total	690.00

Notes

This camera is to replace 1 camera watching the parking and building on the Line Ave. side of the campus. The camera and lens will give better resolution and a closer view of the building.

Notes

<table>
<tr><td>This Order is effective only upon signing of both parties. This order is non-cancellable. Customer represents that all actions required to authorize the execution of this order on behalf of the company by the following signatory has been taken.
PLUS APPLICABLE TAXES.</td><td>The Equipment has been received and is in good working order. Accordingly, Customers will here by authorize payment as previously discussed for equipment and labor to Jett Business Systems, Inc.</td></tr>
<tr><td>(Full legal name of Company)</td><td>Signature: Date:</td></tr>
<tr><td>Signature: Date:</td><td>Print Name: Title:</td></tr>
<tr><td>Print Name: Title:</td><td>Signature of Jett Employee for Final Approval</td></tr>
</table>

Acceptance Date:

_____Vendor: Jett Business Systems, Inc._____
Approved By:

Customer Purchase Order Number_____
Tax Exempt   Yes_____
(Need Copy of Tax Exemption Certificate)
         No_____

Sales Tax Rate: State_____   Local _____

The installation costs, warranty and maintenance contract amount(if provided)in this quote has been approved by Mark Bloxom, Service Manager.

A signoff sheet for accepting or rejecting a maintenance contract will be provided by the service department at the time of the completion of the installation.

CCTV Systems   IP Network Camera Systems   Access Control Systems

EverFocus®

EHD500IR
Vandal IR Dome
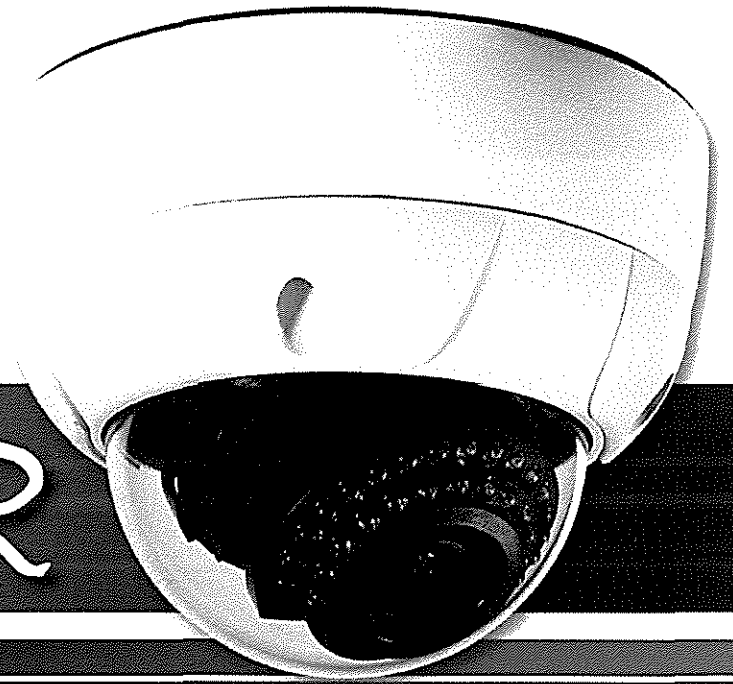
Vandal + IR
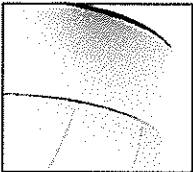
Specially Designed Housing
Flush or Surface Mount

30 LEDs View 100'
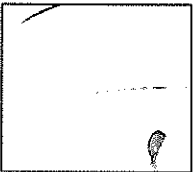
Rugged Vandal Dome
IP66 Weatherproof Rating
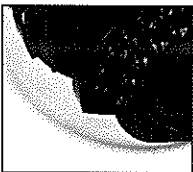
2.6-11mm Auto Iris Lens

Video Format	NTSC
Picture Element	768 (h) x 494 (v)
Image Sensor	1/3" Sony Super HAD CCD w/HQ1 Chipset
Horizontal Resolution	550 TVL
Electronic Shutter	1/60~1/100,000 sec. (Auto)
Scanning System	2:1 Interlace
S/N Ratio	Over 45 dB
Auto White Balance	Yes, (Push/ATW)
Auto Gain Control	Min./Max.
Flickerless	On/Off
Gamma Correction	0.45
Sync Mode	Internal Sync.
IR LED	30 High LEDs
IR Half Angle	± 30°
IR Wavelength	850 nm
IR Distance	Up to 30M / 100 Ft.
Power Source	DC12V/AC24V
Power Consumption	DC12V ± 10% / Max. 730mA (IR LED On) AC24V + 10% / Max. 500mA (IR LEO On)
Dimension (W x H)	Surface Mount: 150 x 113.5 mm / 5.9 x 4.5 inches Flush Mount: 143 x 104 mm / 5.6 x 4 inches
Operating Temperature	-10° - 50° C / 14° - 122° F
Weatherproof	IP66 Rated
Sensitivity	0.2 lux/F=2.0 (0 lux/IR On)
Lens	Vari-focal 2.6~11mm lens (DC Iris/Mechanical IR Cut Filter Removal)
Mount	Surface mount bracket included

EverFocus®

![EverFocus logo]

Full HD 1080P Output, 16CH D1 H.264 Real-Time Recording and Playback

PARAGON 264 DVR

HDMI | H.264 compression | 1080p Full HD | D1 Real-Time | FREE DDNS | Dual Stream | 3GPP

PARAGON 264 DVR

Full HD 1080P Output, 16CH D1 H.264 Real-Time Recording and Playback

The latest EverFocus digital video recorder generation is based on H.264 compression technology, resulting in enhanced recording capacity and improved network image transmission speed with high image quality. Comprehensive features and extended event recording settings enable the almost universal application of this DVR series.

Features

- H.264 Compression format
- D1 real time recording rate and playback rate for all cameras (Paragon 264X4)
- HDMI video output (1080p)
- Multiple Main Monitors: Separately configured HDMI 1080p and VGA/BNC Main monitor outputs
- Call monitor: additional composite BNC output with multiplex and/or sequenced views
- Simultaneous high bandwidth recording (400 PAL/480 NTSC (D1)) with reduced bandwidth remote view streaming (up to 400 PAL/480* NTSC (CIF))
- Pentaplex Operation (Simultaneous live, recording, playback, archiving and remote viewing)
- Free EverFocus DDNS Service - static IP address is not required for reliable remote access
- User friendly GUI with graphical icons and visual indicators
- Supports eSATA external HDD
- Supports 3GPP for mobile monitoring
- Multiple Control Inputs: mouse/front panel/remote controller/EKB500 keyboard
- Built-in record time calculator for fast recording estimation
- Express Setup: A unique menu option for quick & easy installation
- Express Archive: Archive video instantly(to USB) while playing back
- Express Playback: Simply point, click and drag the playback bar to view desired recordings
- Express Search: Use the intuitive playback bar with simple drag & drop operations
- Remote configuration support from the built-in web interface
- Gigabit Ethernet interface for remote network viewing and control
- On-screen PTZ control via mouse or front panel
- Audio recording capabilities
- Support for up to 2 Hot Swappable HDD or 4 fixed internal HDD
- Built-in DVD burner*
- 3 USB 2.0 ports (2 located on front panel, 1 located on back panel) for video archive and mouse usage
- Multi-language support
- Watermark capabilities to identify intentional modifications to exported data
- 19" Rack mountable – rack ears included
  *Depending on specific model
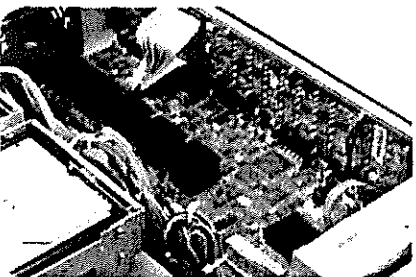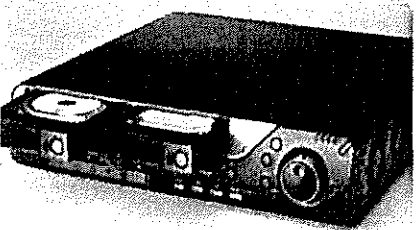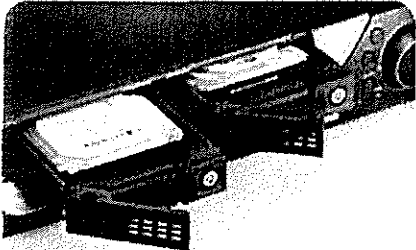
Advantages

Full HD/HDMI Video Output

Full HD 1080p provides superior picture performance on a massive scale, with an entire megapixel of resolution allocated to main monitor display. HDMI digital output renders stunning images from any resolution, and enhances motion reproduction to deliver smoother and crisper looking video.

H.264 Compression Technology

H.264 compression technology is considered to be approximately 1.5 times more efficient in compression ratio than MPEG4. Another benefit from H.264 compression is the remote viewing of high quality images with lower LAN/WAN bandwidth utilization.

> Comparison

Disk Saving

EverFocus H.264 DVR

MPEG4
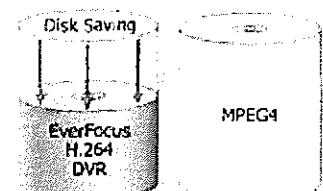
Flexible Recording Control Plus 16 channel Audio Recording

Continuous, event recording or schedule recording with recording parameter changes in response to event triggers can be set in combination for an optimal response to various applications and circumstances. In addition, audio recording is possible on up to 16 independent channels.

Pentaplex operation plus Dual Streaming

For optimized system performance, the Paragon264X4 can simultaneously record full D1 resolution on all 16 cameras at 25 PAL/30 NTSC FPS per camera, and play back all 16 cameras at D1 25 PAL/30 NTSC FPS. It also supports dual streaming at CIF resolution at 25 PAL/30 NTSC FPS for simultaneous remote viewing of full motion on all 16 cameras. Thus it can achieve real time high quality recording and playback locally, and still deliver smooth remote motion reproduction in low bandwidth environments.

| 16CH
30FPS (D1)
recording | + | 16CH
30FPS (D1)
playback | + | 16CH
30FPS (CIF)
second stream |
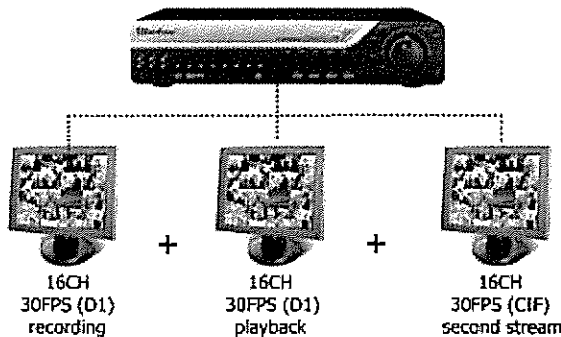
3GPP Streaming to Mobile Devices

The Paragon264 series supports 3GPP for mobile monitoring, allowing you the capability to check your home or business on-the-go from a variety of RTSP capable mobile devices.

3GPP
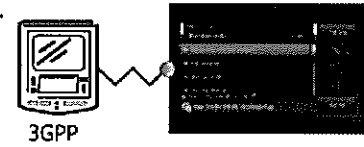
Convenient Monitoring with web-viewer

The DVR has a built-in web server that enables users to monitor live and playback DVR images without special software, through a web browser, from any supported PC.
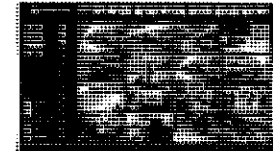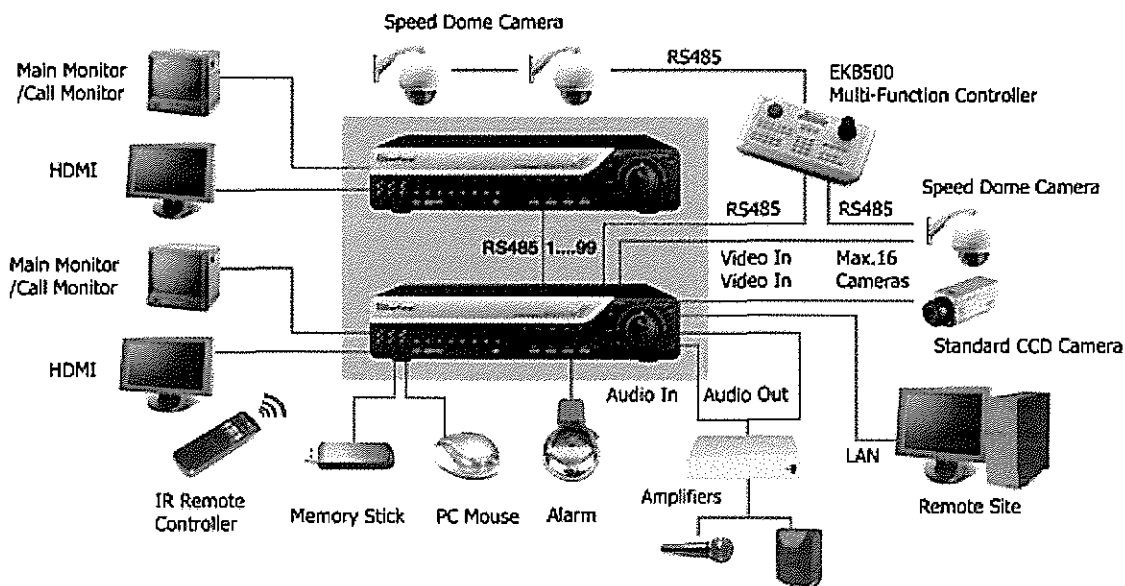
Web-viewer

Powerful Search with Smart Function

Users can search video by date, time and event or filter by type of recording quickly and efficiently. A smart search function enables you to set specific region of interest (ROI) in the field of view and search motions within the ROI by any camera at any date and time. Users can quickly isolate incidents and play back relevant video for efficient review of significant activities.

Real-time D1 High-resolution Recording

Applying high speed data processing technology across all channels with H.264 full-frame compression, the Paragon264X4 achieves the ability to record and play high quality D1 resolution images at 400 PAL/480 NTSC FPS: full resolution, real time recording and playback on all cameras, without compromise. The Paragon series also provides high quality still image recording in response to event notifications.

System Configuration

Speed Dome Camera

Main Monitor /Call Monitor

HDMI

Main Monitor /Call Monitor

HDMI

RS485

EKB500 Multi-Function Controller

RS485   RS485

Speed Dome Camera

RS485 1....99

Video In   Max.16
Video In   Cameras

Standard CCD Camera

Audio In   Audio Out

LAN

IR Remote Controller   Memory Stick   PC Mouse   Alarm

Amplifiers

Remote Site

❂ Specifications

Model	Paragon264x4		Paragon264x2
Channels	16		8, 16
Compression Format		H.264	
HDMI Video Output		Yes	
Recording Rate/Resolution	480 NTSC /400 PAL (D1) 480 NTSC /400 PAL (2CIF) 480 NTSC /400 PAL (CIF)		240 NTSC /200 PAL (D1) 480 NTSC /400 PAL (2CIF) 480 NTSC /400 PAL (CIF)
Playback Rate/Resolution	480 NTSC /400 PAL (D1) 480 NTSC /400 PAL (2CIF) 480 NTSC /400 PAL (CIF)		240 NTSC /400 PAL (D1) 480 NTSC /400 PAL (2CIF) 180 NTSC /400 PAL (CIF)
Dual Streaming (automatic bandwidth conservation)	480 NTSC / 400 PAL (CIF)		240 NTSC / 200 PAL (CIF)
3GPP		Yes (RTSP stream)	
Pentaplex Operation		Simultaneous Live, Recording, Playback, Archive and Remote Viewing	
Camera Inputs	16 BNC		8 or 16 BNC
Looping Camera Outputs		One per camera input (BNC)	
Video Outputs		Main HDMI; Main VGA/BNC; Multiplex Call BNC	
Matrix Output		4 Outputs (optional)	
Audio Input/Output (RCA)	16 Inputs / 1 Output		8 or 16 Inputs / 1 Output
Recording Mode		Manual, Schedule and Event	
Playback Search		By Date/Time and Event	
Alarm Inputs		Same number as Video Inputs	
Alarm Outputs		4 Alarm Outputs	
Video Pause		Yes	
Video Loss Detection		Yes	
Motion Detection		Yes	
Event Log		Yes	
Watch Dog Timer		Yes	
Internal HDD		2 Hotswappable / 4 Internal HDD (model dependent)	
External HDD		1 eSATA	
Built-in DVD Burner		Slim Type DVD Burner(Optional)	
User Interface		GUI(Graphical User Interface)	
OS		Embedded Linux	
Network/Protocol		Gigabit Ethernet; TCP-IP / DHCP/ PPPoE / DDNS	
Control PTZ via OSD		Yes	
USB		3 USB 2.0 port(2 on Front Panel, 1 on Back Panel)	
Schedule Setting		Supports Express and Advanced Schedule Settings	
User Access		3 Levels of User Access Supported	
RS-232		9-pin D-Sub socket (male)	
RS-485		1 RS485 (3 Terminal connector)	
Power Source		100VAC~240VAC	
Dimensions (L x W x H)		410 x 430 x 88 mm / 16.2" x 16.9" x 3.5"	
Temperature		0°C~40°C / 32°F~104°F (20~80% humidity)	
Certifications		CE, FCC, UL	
Supported PTZ Protocols		EverFocus, Pelco D, Pelco P, Samsung, Transparent	

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MKE-20100130