

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Request for Quotation

DJS010296

PAGE 1

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Mid Ohio Valley Integrated Systems
386 B Northwood Torrace
Williamstown WV

DIVISION OF JUVENILE SERVICES

VARIOUS LOCALES AS INDICATED BY ORDER

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WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

- 1. Awards will be made in the best interest of the State of West Virginia.
- 2. The State may accept or reject in part, or in whole, any bid.

3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division

and have paid the required \$125 fee.

- 4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
- 5. Payment may only be made after the delivery and acceptance of goods or services.
- 6. Interest may be paid for late payment in accordance with the West Virginia Code.
- 7. Vendor preference will be granted upon written request in accordance with the West Virginia Code.
- 8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
- 10. The laws of the State of West Virginia and the Legislative Rules of the Purchasing Division shall govern the purchasing process.
- 11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
- 12. BANKRUPTCY: in the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and yold, and terminate such contract without further order.
- 13. HIPAA BUSINESS ASSOCIATE ADDENDUM: The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at www.state.wv.us/admin/purchase/vrc/hipaa.htm and is hereby made part of the agreement. Provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
- 14. CONFIDENTIALITY: The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf.
- 15. LICENSING: Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.
- 16. ANTITRUST: In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or Fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

INSTRUCTIONS TO BIDDERS

- 1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
- 2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as EQUAL to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
- 3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
- 4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130

5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division is strictly prohibited (W.Va. C.S.R. §148-1-6.6).



State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for Quotation

DJS010296

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TARA LYLE

304-558-2544

DIVISION OF JUVENILE SERVICES

VARIOUS LOCALES AS INDICATED BY ORDER

RFQ COPY TYPE NAME/ADDRESS HERE Mid Ohio Valley Integrated Systems.
3868 Northwood Torrace
Williamstown WV

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State of West Virginia Department of Administration Quotation Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for

DJS010296

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TARA LYLE 304-558-2544

RFQ COPY TYPE NAME/ADDRESS HERE Mid Ohio Valley Integrated Systems & VARIOUS LOCALES AS 36 B Northwood Terrace Indicated by order Williamstown WV

DIVISION OF JUVENILE SERVICES

INDICATED BY ORDER

FREIGHT TERMS DATE PRINTED TERMS OF SALE 03/11/2011 BID OPENING DATE: BID OPENING TIME 01:30PM 04/07/2011 CAT ITEM NUMBER AMOUNT OUANTITY UNIT PRICE LINE SEALED BID -----TL/32---BUYER: -------DJS010296-RFQ. NO.:----PLEASE PROVIDE A HAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU RECARDING YOUR BID: CONTACT PERSON (PLEASE PRINT CLEARLY): Willsams THIS IS THE END OF RFQ DJS010296 ***** TOTAL: REVERSE SIDE FOR TERMS AND CONDITIONS SIGNATURE TITLE ADDRESS CHANGES TO BE NOTED ABOVE 7-5154051 WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

The Division of Juvenile Services is soliciting bids for Surveillance Equipment to be used at our Detention and Correctional facilities. The equipment will be used to monitor and record the areas of our facilities frequented by the Juveniles in our custody. The Contract will be awarded to the lowest bidder based on the projected dollar value of their bid based on our projected usage of the Items bid. The projected usage reflected on the attached bid form in no way guarantees that level of purchases will be required, but represents our best estimate of our usage during the contract period.

RFQ# DJS010296 Bid Specifications for Surveillance Equipment

Warranty

The successful bidder shall warrant the functional operation of all procured equipment for three years after date of acceptance.

PART 1 Products

1.1 GENERAL SPECIFICATIONS

- A. All equipment and materials used shall be standard components that are regularly manufactured and used in the manufacturer's system. DVR system must be compatible with the following existing cameras: ARM C540MDVAL, C540MDVAIDNIR and C520BCDNVFIR, LTC045521, WV-CF224EX and Bosch LTC series.
- B. All systems and components shall have been thoroughly tested and proven in actual use:
- C. All systems and components shall be provided with the availability of a tollfree, 24-hour technical assistance program (TAP) from the manufacturer. The TAP shall allow for immediate technical assistance for either the dealer/installer or the end user at no charge for as long as the product is installed.
- D. All aystems and components shall be provided with a one-day turnaround repair express and 22-hour parts replacement. Vendor will have 24 has to ship and install replacement parts. All parts will be shipped FOB destination. The repair and parts express shall be guaranteed by the manufacturer on warranty and non-warranty items. After warranty expiration, the vendor will invoice parts on Gost plus % mark-up basis.

1.1.1 DIGITAL VIDEO RECORDER

A. The Digital Video Recorder shall be a combination of adatabase server and video acquisition unif that captures up to 480 ips (NTSG) or 400 ips (PAL), with up to 128 camera inputs and 4 audio channels. The recorder shall provide scalability, allowing an increase in the number of inputs as the need grows. Image capture rates shall be adjustable per camera and be able to increase automatically during an alarm event.

- B. The Digital Video Recorder shall support up to 16 IP cameras in a hybrid configuration and up to four channels of video analytics. The recorder shall be HD-enabled, capable of recording and displaying high-quality images captured by IP cameras with MD technology.
- C. Video from a Digital Video Recorder shall be viewable through a matrix switcher.
- D. The Digital Video Recorder security software shall be IT-focused, with scalable solutions that allow users to manage all data and hardware devices from a single user interface. The system shall be open architecture and allow users to choose IP cameras or encoders that fit the application.
- E. The Digital Video Recorder shall use redundant power supplies to eliminate the power supply as a single point of failure.
- The Digital Video Recorder shall be capable of continuous scheduled alarm/event and motion recording. Pre- and post-alarm recording shall also be available and shall be fully programmable on a per channel basis. The Digital video recorder shall maximize storage efficiency and upon user selection, shall automatically reduce the recorded frame rates of video after a programmed delay period, ensuring that the user has access to real-time video when needed most. The system shall not reduce the frame rate on alarm- or motion-based video.
- G. All video shall be digitally signed before being written to the hard disk drives. Video authentication shall be venified on the system before being played back with the Digital video player.

H. All Digital Video Recorders shall run the same software allowing users to

monitor video, audio, and transactional data from the client user interface.

L. Event-based and alarm-based video shall be displayed simultaneously with live camera views and with pre- and post-event video clips. The system shall queue and display these events in a first-lip, first-out order, or by time. At the time of an alarm the event-based pre-recording made shall automatically switch to continuous recording mode with pre-and post-alarm video capturing.

Playback - live and recorded video shall be played back with full VCR control (play, fast forward, rewind, and pause, step forward and backward).

image Enhancement – image contrast, brightness, sharpness, and zoom shall be controlled on live and recorded video for each camera:

On Screen Display Text - the camera mone, image time and of date shall be overland on video on the user interface. Camera names shall be up to 32 characters in length.

- The Digital Video Recorder shall meet or exceed the following design and feature-specifications:
 - The Digital Video Management System-shall support up to 128 Video
 - The Digital Video Management System shall support advanced IVEX compression.

The Digital Video Management System shall have the capability to record at seven (7) frames per second with a storage capacity of 14 days based on a forty-eight (48) camera system.

 The Digital Video Management System shall support if cameras with HD technology.

- The Digital Video Management System shall support the recording of H.264 streams from IP cameras.
- The Digital Video Management System shall support external RAID storage up to 18TB for long-term video storage.
- The Digital Video Management System shall have a watchdog system in place to send alerts when the system fails or powers down.
- The Digital Video Management System shall have immediate video authentication with quick review of up to 90 minutes of video.
- The Digital Video Management System shall have a 10/100/1000 Base-T Network.
- PTZ camera interface shall be RS-232, RS-422, RS-485
- The Digital Video Management System shall have 16 dry contact alarm mouts
- The Digital Video Management System shall include Control Point Client User Interface for remote access and management of the System.

1.1.2 POWER SPECIFICATIONS

A. Power Input 100 to 240 VAC, 50/60 Hz

B. Power Consumption 115 VAC 335 W, 2:95 A, 1143 BTUH

1.1.3 ENVIRONMENTAL SPECIFICATIONS

A. Operating Temperature 50° to 95°F (10° to 35°C) at unit air intake

B. Operating Humidity 20% to 80%, non condensing

C. Maximum Humidily/Gradient 10% per hour

D. Operating Altitude -50 ft to 10,000 ft (-16 m to 3,046 m)

E. Operating Vibration 925G at 8 Hz to 200 Hz at a sweep rate of 0.5 octave/mim

174.4 CERTIFICATIONS

A. CE, Class A

B. FCC. Class A.

G. UL Listed

AAL PRODUCTS

Provide Unit Priving for the Following Digital Recorders Including Control Foint Software:

1. Pelco Model 35401V162DOS 16 Chamiel, 500GB, 120 IPS or Equal

- 2. Pelco Model 35401 V2C5DOS 32 Channel, 1 TB, 240 IPS or Equal
- 3. Pelco Model 35401V4C5DOS 64 Channel, 2 TB, 480 IPS or Equal

PART 2 - PRODUCTS

2.1 MIGROPROCESSOR-BASED, CROSS-POINT VIDEO MATRIX SWITCHING SYSTEM

- A. The microprocessor-based, cross-point video matrix switching and control system shall consist of an integrated CPU/controller, matrix switcher, interface for control keyboard(s), dry contact alarming inputs programmable for N.O./N.C., isolated relay control outputs and RS-422 serial port PTZ control and multiplexer control, built-in video loss detection aletts, and all software and graphics accessories necessary to make a complete operating video switching and control system. The following optional equipment for expanding functions shall be available: Alarm interface Unit and Relay Interface Unit. The matrix and all optional equipment shall be capable of being mounted in standard EIA 19-inch racks.
- B. The system shall be configured for a maximum 48 yideo inputs, 8 yideo conjuts, and up to 18 keyboard controllers. Forty of the yideo inputs shall provide looping BNC jacks and individual termination switches on the back panel of the unit.
- The system shall be expandable to a capacity of 96 video inputs, 16 video outputs, and up to 18 keyboard controllers by adding a second, identical switcher unit interconnected to the first unit with a control cable and a coaxial ribbon cable. The expanded unit shall operate as one system.
- D. The CFU/controller shall meet or exceed the following design and performance specifications:
 - The matrix switcher/compoler shall utilize an embedded interoprocessor tunning a real-time operating system.
 - The matrix switcher/controller shall include a bit-mapped character generator for each analog supput, which displays system status and programming in NTSCIPAL formats.
 - The matrix switcher controller shall include a Windows based software management system that speeds system setup; enables system users to program the switcher remotely; allows for external storage of all setup items. In the switcher, and logs system activity, including events and allows.
 - The matrix switcher/controller shall provide password protection for control of system operations and programming.
 - The matrix/switcher controller shall provide for logical camera numbering, in which the user can assign his own reference numbers to physical camera inputs.
 - The matrix/switcher shall have programmed exent timers to activate sequences or macros automatically.
 - The matrix avitcher controller shall use tlash technology for firmware updates in the field.

The matrix/switcher controller shall provide eight internal alarm inputs on the rear panel. Up to 256 external alarms can be added by connecting Alarm interface Units, Alarms shall be assigned to one or more alarm groups and shall be defined as high or low priority. Each alarm group shall be assigned to one or more monitors for display processing. System must have capability of re-programming of alarms.

The matrix switcher/controller shall provide user-enabled/selectable character displays that show the following: time in 24-hour or AM/PM format, date in four different modes, camera number, and a 20-character title for ease of identification on the video screen. Each of these on-screen segments shall be onloff selectable independently for each monitor.

The matrix switcher/controller shall allow configuration, set-up, and

programming from any system keyboard.

The matrix switcher controller shall provide two PTZ control ports programmable by the user, two RS-485 VO ports, two RS-485 ports with power to operate a local keyboard, two RS 232 I/O ports, and two I/O ports that can be configured for either RS-232 of RS-485. The ports shall be programmable from the system keyboard or MGR software for all communication parameters and functions without having to remove the switcher/controller-cover or set any switches or jumpers. Control of PTZ devices and connection to external equipment shall be accomplished through the use of the CPUIC britroller's RS-422 communication poils.

The matrix switcher/controller shall provide two auxiliary relay outputs rated at 0.5 amp @ 125 VAC, 1 amp @ 30 VDC, 60 milliohms.contact resistance. There shall be one open collector (TTL) output rated at 15 VDC

maximum, 25 mA maximum.

The matrix switcher/controller shall feature the capability of oneprogramming commonly occurring events through macro programming. Macros shall be activated manually via keyboard control or automatically by alarm inputs or at a specific time.

The mainty switcher controller shall be capable of 32 macros, each capable

of 72 steps.

The matrix switched controller shall accept ASCII data, allowing for direct communication with external equipment, such as computer based access control, tire, burglar, and PLC systems, to activate alarms, to select cameras, and to activate preset positions, auditaries, and macros. The matrix must be capable of generating an ASOI output of alkalant events as

The matrix syllcher/controller shall provide a video bandwidth of 15 MHz, a flat frequency response to a Milkand #1 dB to 13 MHz, and a signal-tonoise ratio of -50 dB with adjacent channel crosstalk limit of -55 dB typical

The matrix switched controller shall provide for differential gain of 0.03% and a differential phase of 0:24° typical.

The matrix switcher/controller shall be rack-mountable in a standard Elia 19-inch rack.

The matrix switched controller shall measure 5.25 (F) x 17.4 (W) x 12.25 (D) inches (13.34 x \pm 4.20 x 31.12 sm).

E. The CPU/controller shall meet or exceed the following design and performance specifications:

A. Input Voltage

120 / 230 VAC. 50/60 Hz

2.13 ENVIRONMENTAL SPECIFICATIONS

A. Operating Temperature

20° to 120°F (-7° to 49°C)

B. Operating Humidity

10% to 90%, non condensing

21.4 CERTIFICATIONS

A., CE, Class B

B. FCC, Glass A

E. UL/cUL listed

2.1.5 PRODUCTS

Provide Unit Pricing for the Following Matrix Switcher and Devices:

- 4. Pelco Model CM6800E 48-In x 8-Out Matrix Switch or Equal
- 5. Pelco Model KBD300A Van Speed PTZ Joyetickion Equal
- 6. Pelco Model MX4016CD 16-Channel Duplex Multiplexer or Equal

PARTS-PRODUCTS

34 FULL HIGH DEFINITION LEGYMONITOR

- A. The LCD monitor shall the following features: VGA and digital visual interface (DVI) inputs, picture-in-picture (PIP), looping BNC output, and full high definition resolution.
- 3. The LCD monitor shall provide a front panel that allows the user to adjust image quality, brighness, size, position, and geometry for optimal viewing.
- 6. The LCD monitor shall have improved airflow and thermal reduction allowing for longer component life; ensuring reliability in a 2017 security installation environment.
- If the LCD monitor shall be constructed of a lightweight dinable material for desktop or wall-mount installations. Monitor shall come equipped with stationary table mount with the availability to convert to optional wall mount tracket. The monitors shall provide built-in hand holds in the rear cover for easy installation and handling:
- En The LCD monitor shall be compatible with industry-leading megapixel technology, providing a minimum of 1920 x 1080p native resolution that is used with the latest megapixel video security cameras.

F. The LCD monitor shall meet or exceed the following design and performance specifications.

371.2 ELECTRICAL SPECIFICATIONS

A. Input Voltage

100 to 240 VAC, 50/60 Hz

B. Video input interfaces

2 BNC, looping; 1 S-Video, looping; 1 RGB; 1 DVI;

1 component

C. Audio Input Interfaces

2 audio L/R, RCA Jack

D. Horizontal Frequency:

31 to 69 kHz

E. Vertical Frequency

56 to 85 Hz

F. Sync Format

NISCIPAL

3.1.3 ENVIRONMENTAL SPECIFICATIONS

A. Operating Temperature

32° to 104°F (0° to 40°C)

B. Operating Humidity

20% to 80%, non condensing

3.1.4 GENERAL SPECIFICATIONS

A. Native Resolution

1386 x 768 WXGA

B. Panel Aspect Ratio

16:9

G. Viewing Area

1 26"

576 x 324 mm 698 x 461 mm

5. 42°

930 x 523 mm

D. Video Formats

480i, 480p, 576i, 576p, 720p, 1080i

E. Panel Life

50.000 hours

F. Displayable Colors

16.7 million

3:4.5 CERTIFICATIONS

A. CE Class A

B. FCC, Dlass /

C. TUY Listed

g. Crick

E. ULicUL listed

S.1.6 PRODUCTS

Provide Unit Pricing for the Following LCD Monitors:

7. Pelco Model PMCL526A 26" Flat Screen Monitor or Equal

- B. Pelco Model PMCL532A 32" Flat Screen Monitor or Equal
- 9. Pelco Model PMCL542F 42" Flat Screen Monitor or Equal
- 10. Tilt Wall Mount bracket for Monitors

PART 4- PRODUCTS

4.4 WALL MOUNT LOCK BOX WITH POWER SUPPLY

- A. The Wall or Desk mounted Lock Box shall provide a secure housing for the Recorders, Malrix Switches, Multiplexers, Storage, and Power Supply. The Box shall have two keyed locks on the front door to prevent unauthorized entry. Panels will tamper resistant screws in the top and sides of the Lock Box shall permit assess for willing
- B. The power supply shall occupy one rack unit (f RU) and shall provide power for a minimum of eight devices. The power supply shall allow for indeer use, and it shall plug into any 120 VAC duplex wall receptacle having a center serew. Removable strip terminals with clamp down connectors shall be provided along the rear panel for easy connection on the 26 VAC output to eight or more devices. The unit fuses shall protect against power supply or camera failure.
- C. The power supply shall meet or exceed the following design and performance specifications.

4/1/2 ELECTRICAL SPECIFICATIONS POWER SUPPLY

A. Input Voltage

115 VAC 60Fiz or 230 VAC 50Fiz (± 10W), selectable

B. Quinut Voltage

26 VAC

C. Output Current

20 Amemaximum

D Overload Protection

External Fuses for 8, 16, 32 Output

E. Input Connectors

115 VAC 60Hz or 230 VAC 50Hz (± 10%) selectable.

F. Output Connectors

2 screw terminals

4.1.4 PHYSICAL SPECIFICATIONS

A. Construction

Steel

A. Finish

Rust resistant enamel finish

C. Environment

Indoor

4.1.4 CERTIFICATION SPECIFICATIONS

A. UL Listed

415 PRODUCTS

Provide Unit Pricing for the Following Lock Boxes and Rack Mount Power Supplies:

- 14. Pelco Model LB3000 Wall Lock Box or Equal
- 12. Pelco Model RCS16F10 16-Out Fused 10 Amp Power Supply or Equal
- 13. Pelco Model RCS32F20/32-Out Pused 20 Amp Power Supply or Equal

5 PRODUCTS

54 INDOOR/OUTDOOR FIXED MINI DOME CAMERA SYSTEM

- A. The indoor/outdoor-fixed mini dome camera system shall be quick and easy to install and is ideal for both indoor and outdoor applications. It shall have a versallie design allowing for multiple mounting options.
- B. The indoor/outdoor fixed mini dome camera system shall be vandal resistant.
- C. The indoor/outdoor fixed mini done camera system's back box shall have three conduit openings.
- D. The indoor/outdoor fixed mini dome.camera system shall offer a large selection of camera and tens options, including a clear or smoked bubble lower-dome.
- E The indoorlandoor liked mini dome-camera system shall meet or exceed the following design and performance specifications.

5.1.2 ELECTRICAL SPECIFICATIONS

A. Connectors

4 composite BNC

4 MTP

B. Input Voltage

12 VDC-or 24 VAC (±10%), autosensing

C. Power Consumption:

*L Wide Dynamic *L Day / Night <3 W maximum

3. Heaters

10 W when active; thermostatically controlled

5.1.3 VIDEO SPECIFICATIONS

A. Imaging Device

1. Wide Dynamic 2. Day / Night 4/3-inch pixel based imager

B. Signal System

NTSC of PAL

C. Video Output

1. Composite 2. UTP

1 Vp-p, 75 ohms 1 Vp+p, 100 ohms

D. Picture Elements

NTSC

1. Wide Dynamic Day / Night

720 (H) x 540 (V) 768 (H) x 494 (V)

720 (H) x 540 (V) 752 (H) x 582 (V)

Dynamic Range

102 dB typical/120 dB maximum (CW/DW models)

Scanning System

24 interlace (progressive option for CW/DW)

G. Synchronization

Internal

H. Electronic Shutter Range

Wide Dynamic 2. Day/ Night

Auto (1/15 to 1/22,000) Auto (1/60 to 1/100,090)

L. Lens Type

1. Wide Dynamic (WDR) Varifocal with auto iris

2. Day/Night (DN)

Varifocal with auto Iris

J. Focal Length

3.0 mm -9.5 mm (varifocal) 9.0 mm ~22.0 mm (varifocal)

K. Operation

Varifocal

1. ins

Auto (DC-drive)

2. Focus 3 Zoom Manual Manual

CAMERA SPECIFICATIONS 5.1.4

A. Horizontal Resolution

1. Wide Dynamic

504 TV lines

2. Day Hight

540 TV lines

C. Minimum Illumination

1. Wide Dynamic

Color 0.8 lex, SEN 6X-0.2 lex

BANK 0.08 hax, SEN 6X: 0.02 loss

(ff1.0, 40 IRE, AGC on 75% scene reflectance)

2. Day I Night

Color 0.45 lux at full frame rate BAVE 0.015 lux at full frame rate

(M.D. 40 IRE, AGC on, 75% scene reflectance):

ENVIRONMENTAL SPECIFICATIONS 5.1.5

A. Environment:

Low temperature, indoor/outdoor

B. Operating Temperature:

*50°F to 122°F (-45°C to 50°C); desices to 25°F (-4°C)

C. Thermostat Operation:

Heater is thermostatically controlled to activate ON

absort (10°C) and OFF at 80°F (27°C)

MECHANICAL SPECIFICATIONS

A. Pan/Tilt Adjustment

Manual

Pan

360°

Tilt

140° (20° to 160° range)

Rotation 3.

360°

B. Light attenuation

1/1.5 light loss, smoked bubble Zero light loss, clear bubble

5.1.7 PHYSICAL SPECIFICATIONS

A. Construction

Durable corresion resistant camera mounting

bracket and polycarbonate dome

B. Finish

Rust resistant finish

CERTIFICATIONS 5.1.8

CE, Class B UL Listed

5.1.9 PRODUCTS

Provide Unit Prising for the Following Fix Dome Cameras with Wall Mount:

- 14. Pelco Model IS110-DNV9 Day / Night Gamera 3-9mm Lens or Equal
- 15 Pelco Model | \$110-GMV9 Wide Dynamic Range Camera 3-9mm Lans of Equal
- 10: Pelco Model (9110-DWW9 Combo DW, WDR Camera 3-9mm Lens or Equal
- 12. Pelco Model IMITICIO-1 Indoor Fixed Dome Centers. 2.8-10mm Lens or Equal
- 18. Pelco Model 1990BCHV9 Indoor Fixed Mint-Dame Camera 3-9-5mm Lens of Equal

6 PRODUCTS

COLOR VARI-FOCAL INFRARED BULLET CAMERA 64

6.1.1 ELECTRICAL SPECIFICATIONS

A. Input Voltage

12 VDC of 24 VAC (MOV), autosensing

B. Connectors

1 composite BNC

1 UTP

VIDEO SPECIFICATIONS 612

A. Signal System

NTSC OF PAL

B. Video Output

1. Composite

1 Vp.p. 75 ohms

2. UTP

1 Vp-p, 100 ohms

C. Lens Type

1. Wide Dynamic (WDR) Varifocal with auto iris

2. Day / Night (DN)

Varifocal with outo fris

6.1.3 CAMERA SPECIFICATIONS

A Horizontal Resolution

4. High Resolution

504 TV lines

2. Day / Night

540 TV lines

64.4 ENVIRONMENTAL SPECIFICATIONS

A. Environment

Indoor/Outdoor

B. Operating temperature:

-50°F to 122°F

6-1.5 NECHANICAL SPECIFICATIONS

A. Pan/Till/Adjustment

Manual

180° pan; 180° tilt

6/1.6 PHYSICAL SPECIFICATIONS

A. Construction

Durable corrosion resistant camera mounting

bracket and polycarbonate Dome

B. Finish

Rust resistant finish

6.1.7 PRODUCTS

19: Pelos Model (\$31080WV9-Indopr/Outdoor Vari-Focal Infrared Bullet Camera 3-9:5mm Lens or Equal

7.1 DIGITAL MARIEUCAL COLOR CAMERA

7.1.2 ELECTRICAL SPECIFICATIONS

A. Power Requirements

18:30 VAC or 10-36 VDC

B. Power:Connector

2-pin terminal stdp-push in type

C. Video Cornector

BNC

Z.1.3 VIDEO SPECIFICATIONS

A Signal System

NISC

B. Video Output

1 Vp-p. 75 ohms

7.4.4 CAMERA SPECIFICATIONS

A. Horizontal Resolution

480 TV lines

7.1.5 ENVIRONMENTAL SPECIFICATIONS

A. Environment

Indoor

B. Operating temperature

149F to 1229F

77.6 PRODUCTS

- 20. Pelco Model IS90BDWV9 Indoor Infrared Fixed Mint-Dome Camera 3-9.5mm Lens or Equal
- 21. Peles Model C3751H-2 Indeor VarbFocal Digital Camera 2.8-12mm Lens or Equal

8.1 INDOOR/OUTDOOR PAN-TILT-ZOOM DOME CAMERA SYSTEM

- A. The Pan-Tilt-Zoom (PTZ) dome camera system shall be quick and easy to install and is ideal for both indoor and outdoor applications. It shall have a versable design allowing for multiple mounting options.
- B. The cutdoor PTZ dome camera shall include Healer and farr for environmental conditions.
- C. The PTZ dome camera shall be autofocus, high resolution integrated low light color camera contos package. The camera shall include Window Blanking, Camera Title Overlay with 20 user definable characters. On Screen Compass and Title Bisplay, Buildin Surge and Limited Lightning Protection, and Password Protection.
- D. The PTZ camera dome drays stall include the following:
 - * 64 Presets
 - #20.1 Deg. Preset Acquiacy
 - RJ-45 Data Port for Software Undate and Setup
 - 400 Deg. Lack, Part Preset Speed and 200 Deg. Lack Till Preset Speed
 - Välläble Skän Speed Zentigurable between 1 to 40: Dep. 1 sec.
 - Pan Motion allows of to 150 Deptises. Pan Speed
 - Auto-sensing Protocol (Pelgo P. Pelgo B. Sensonnatic, and Vicon)
 - · Includes I alarm input and flauxillary form & telay
 - * Freeze Frame between Presets
 - * 8 zones configurable in size
 - Rotating Discreef Liner with Sealed Fixed Bubble
 - Patterns: 1 On-Screen, User-Defined Configurable Pattern) Includes Pan, Till. Zoom, and Preset Functions
 - * Proportional Pan / Titl: Southwally Decreases Pan / Titl: Speeds in Proportion to Depth of Zoom
 - Configurable Limit Stops for Auto / Random / Frame Scan Modes
 - Builbin Menu System for Setup of Configurable Functions:

- Auto-Flip to rotate Dome 180 Deg. At bottom of Tilt Travel
- E. The PTZ dome camera system shall meet or exceed the following design and performance specifications.

81.2 **ELECTRICAL SPECIFICATIONS**

A. Connectors

1 composite BNC

B. Input Voltage

12 to 32 VAC (±10%), autosensing

G. Input Power

1. Without Heater With Heater 3. Füse

23 VA nominal 73 VA nominal 1.25 amp

8.1.3 CAMERA / OPTICS

A. Signal Format

1. NTSC 2. PAL

B. Image Sensor

Effective Pixels

%-inch progressive scan CCD

NTSC PAL

768 (4) x 494 (V) 752 (H) x 582 (V)

C. Horizontal Resolution:

1. NTSC/PAS

540 TV Lines

D. Lens

17.6 (focal length, 9.6 - 82.8 mm)

E Zoom

23x optical, 12x digital

E Zoom Speed

29/42/50 seconds

G. Maximum Sensitivity at 35 JRE

NTSC/EIA PAL/CCIR 0.65 lux at 1160 sec color 0.65 lux at 1150 sec color

H. Horizontal Angle of View

54 Deg. At 3.5 mm / 2.5 Deg. At 82.8 mm

Focus

Automatic with manual override

White Balance

Automatic with manual override

K. Iris Control

Automatic iris control with manual override

Gain Control

Automatic / Off

Video Output?

Vp.p. 75 ohms

N. Video Signal-to-Noise

200 11

8, 1,4 ENVIRONMENTAL SPECIFICATIONS

A. Environment:

Low temperature, indoor/outdoor

B. Operating Temperature:

32°F to 122°F (0°C to 50°C); de-ices to 25°F (-4°C)

84.5 MECHANICAL SPECIFICATIONS DRIVE DOME

A. Pan Movement

360 Deg. Continuous pan rotation

B. Vertical Tilt

Unobstructed +2 Deg. To -92 Deg.

C. Manual Pan/Tilt Speeds

1. Pan

0:1 Deg. To 80 Deg. / sec. manual operation 150 Deg. / sec Turbo

2. Tili

0.7 Deg. To 40 Deg. / sec. manual operation

D. Preset Speeds

Pan: 400 Deg. / sec. Tilt. 200 Deg. / sec.

8.1.6 PHYSICAL SPECIFICATIONS

A. Construction

Dirable corrosion resistant camera mounting

bracket and Acrylic Bubble:

8.1.7 GERTIFICATIONS

A. CE. Class B

B. FCC, Class B

C. UL/cUL Listed

D. Callek

E. NEWA Type 4X and IP66 standards

F. NEMA Type 1, 1P40

8.1.8 PRODUCTS

Provide Unit Pricing for the Following Pan-Till-Zoom (PTZ) Cameras with Wall Mount:

- 22: Pelco Model SD4CBW-PG-Et 28x PTZ Camera of Equal-
- 23. Pelco Model SD435-PG-E1 35x D/N FTZ Camera or Equal

9.1 LABOR

Vendor will be responsible for the Initial setup of all equipment. This includes the installation of the DVR's, mainty suitchers, monitors and security Cabinets and all other components of the system. DJS will install the necessary caples and mount the cameras. Vendor will connect and finish the installation. Vendor will bid an hourly rate for taborinstallation. This is to be entered on the bid form. (Item#24)

10.2 TRAINING

On-site training will be provided by the successful vendor to the DAS Staff. Training will pousist of the use and operational capabilities of the DVR and Matrix System.

Equipment as well as all components upon installation. At a minimum there will be four (4)

employees at each facility to be trained. Training will vary with the system installed as well as the number of employees.

Vendor will also supply training manuals for DJS staff use, in the form of print and or electronic form such as a DVD to help facilitate the training. Vendor will provide a toll free number for customer assistance.

List of Facilities for WV Division of Juvenile Services DJS010296

WV Industrial Home for Youth

7 Industrial Blvd.

Salem, WW 26426

Rubenstein Center

141 Forestry Camp Road

Davis WW 26260

Donald R. Kuhr Juyenile Center

Due Lory Place

Julian, WV 25529

Lorrie Veager Juvenile Center

907 Mission Drive

Parkersburg, WW 26101

J.M. Chick Buckbee Jovensie Center

One Jerry Lane

Augusta, WV 26704

Sam Perdue Juvenile Center

843 Shelter Road

Princeton, WV 24740

Tiger Morton Juvenile Center

60 Manfred Holland Way

Dunbar, WW 25064

Robert L. Shell Juvenile Center

2 O'Hanlon Place

Barboursville, WV 25504

Gene Spadaro Juvenile Center

THE Martin Dive

IVIL Hope, WV 25880

Vickie Douglas Juvenile Center

900 Emmett Rousel Or.

Westersburg, WV 25401.

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WV-96 Rev. 10/07

AGREEMENT ADDENDUM

In the event of conflict between this addendum and the agreement, this addendum shall control:

- **DISPUTES** Any references in the agreement to arbitration or to the jurisdiction of any court are hereby deleted. Disputes arising out of the agreement shall be presented to the West Virginia Court of Claims. i.
- HOLD HARMLESS Any clause requiring the Agency to indemnify or hold harmless any party is hereby deleted in its entirety. 2.
- GOVERNING LAW The agreement shall be governed by the laws of the State of West Virginia. This provision replaces any references to any other State's governing law. 3.
- TAXES Provisions in the agreement requiring the Agency to pay taxes are deleted. As a State entity, the Agency is exempt from Federal, State, and local taxes and will not pay taxes for any Vendor including individuals, nor will the Agency file any tax returns or reports on behalf of Vendor 4. or any other party.
- PAYMENT Any references to prepayment are deleted. Payment will be in arrears. 5.
- INTEREST Should the agreement include a provision for interest on late payments, the Agency agrees to pay the maximum legal rate under West Virginia law. All other references to interest or late charges are deleted. 6.
- **RECOUPMENT** Any language in the agreement waiving the Agency's right to set-off, counterclaim, recoupment, or other defense is hereby deleted. 7.
- FISCAL YEAR FUNDING Service performed under the agreement may be continued in succeeding fiscal years for the term of the agreement contingent upon funds being appropriated by the Legislature or otherwise being available for this service. In the event funds are not appropriated or otherwise available for this service, the agreement shall terminate without penalty on June 30. After that date, the agreement becomes of no effect and is null and void. However, the Agency agrees to use its best efforts to have the amounts contemplated under the agreement included in its budget. Non-appropriation or non-funding shall not be considered an event of default. 8.
- STATUTE OF LIMITATION Any clauses limiting the time in which the Agency may bring suit against the Vendor, lessor, individual, or any 9. other party are deleted
- SIMILAR SERVICES Any provisions limiting the Agency's right to obtain similar services or equipment in the event of default or non-funding during the term of the agreement are hereby deleted. 10.
- ATTORNEY FEES The Agency recognizes an obligation to pay attorney's fees or costs only when assessed by a court of competent jurisdiction. Any other provision is invalid and considered null and void. 11.
- ASSIGNMENT Notwithstanding any clause to the contrary, the Agency reserves the right to assign the agreement to another State of West Virginia agency, board or commission upon thirty (30) days written notice to the Vendor and Vendor shall obtain the written consent of Agency prior to assigning the agreement. 12.
- <u>LIMITATION OF LIABILITY</u> The Agency, as a State entity, cannot agree to assume the potential liability of a Vendor. Accordingly, any provision limiting the Vendor's liability for direct damages to a certain dollar amount or to the amount of the agreement is hereby deleted. Limitations on special, incidental or consequential damages are acceptable. In addition, any limitation is null and void to the extent that it precludes any action for injury to persons or for damages to personal property. 13.
- <u>RIGHT TO TERMINATE</u> Agency shall have the right to terminate the agreement upon thirty (30) days written notice to Vendor. Agency agrees to pay Vendor for services rendered or goods received prior to the effective date of termination. 14.
- TERMINATION CHARGES Any provision requiring the Agency to pay a fixed amount or liquidated damages upon termination of the agreement is hereby deleted. The Agency may only agree to reimburse a Vendor for actual costs incurred or losses sustained during the current fiscal year due to wrongful termination by the Agency prior to the end of any current agreement term. 15.
- RENEWAL Any reference to automatic renewal is hereby deleted. The agreement may be renewed only upon mutual written agreement of the 16.
- INSURANCE Any provision requiring the Agency to insure equipment or property of any kind and name the Vendor as beneficiary or as an additional insured is hereby deleted. 17.
- RIGHT TO NOTICE Any provision for repossession of equipment without notice is hereby deleted. However, the Agency does recognize a right of repossession with notice. 18.
- ACCELERATION Any reference to acceleration of payments in the event of default or non-funding is hereby deleted. 19.
- CONFIDENTIALITY: -Any provision regarding confidentiality of the terms and conditions of the agreement is hereby deleted. State contracts are public records under the West Virginia Freedom of Information Act. 20.
- AMENDMENTS All amendments, modifications, alterations or changes to the agreement shall be in writing and signed by both parties. No amendment, modification, alteration or change may be made to this addendum without the express written approval of the Purchasing Division 21. and the Attorney General.

ACCEPTED BY: STATE OF WEST VIRGINIA	VENDOR
Spending Unit:	Company Name: M.d Oh.o Valley Intervaled Systems
Signed:	Signed:
Title:	Title: Buner
Date:	Date: 5/4/2011

ATTAC.	HMENT
P.O.#	•

This agreement constitutes the entire agreement between the parties, and there are no other terms and conditions applicable to the licenses granted hereunder.

Agreed		
Signature Date 5/4/2011	Signature	Date
Title	Title	_
Company Name Systems LCC	Agency/Division	 D

RFQ No. 150/0796

Purchasing Affidavit (Revised 12/15/09)

STATE OF WEST VIRGINIA Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

DEFINITIONS:

WITNESS THE FOLLOWING SIGNATURE

NOTARY PUBLIC
STATE OF WELLT SIPPOINTS
19 River Roc.
Galamstown, WW 2610
Frommission Expires July 25

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

Rev. 09/08

State of West Virginia **VENDOR PREFERENCE CERTIFICATE**

Certification and application* is hereby made for Preference in accordance with West Virginia Code, §5A-3-37. (Does not apply to construction contracts). West Virginia Code, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the West Virginia Code. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1.	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,				
2.	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,				
3.	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,				
4.	Application is made for 5% resident vendor preference for the reason checked: Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,				
5. 1	Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,				
6.	Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.				
require agains or ded	understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the ements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty to such Bidder in an amount not to exceed 6% of the bid amount and that such penalty will be paid to the contracting agency ucted from any unpaid balance on the contract or purchase order.				
authori the rec	omission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and izes the Department of Revenue to disclose to the Director of Purchasing appropriate Information verifying that Bidder has paid juired business taxes, provided that such information does not contain the amounts of taxes paid nor any other information and by the Tax Commissioner to be confidential.				
Under penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.					
Bidde	Time to the they Integrated Systems Signed:				
*Charle	any combination of preference consideration(s) indicated above, which you are entitled to receive.				

EXHIBIT 10

REQUISITION NO.: 0.150/0296

ADDENDUM ACKNOWLEDGEMENT

I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.

NO. 1
NO. 2
NO. 3
NO. 4/
NO 5

ADDENDUM NO.'S:

I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS. VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.

SIGNATURE

Med Ohio Walley Integrated Systems

DATE

REV. 11/96



42" LCD CCTV Monitor

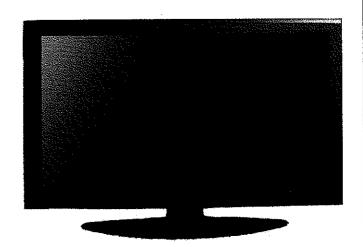
IV-OR42RTC

Features:

- . 42" LCD Big size CCTV Monitor
- . World leading Active Matrix TFT-LCD Panel
- . High performance Image Processing Circuit
- . Built-in-Speakers
- . One year warranty

Description:

The 42" monitor includes World's leading Active Matrix
TFT-LCD Panel. It comes with a high performance
Image Processing Circuit with a 3D comb filter and
deinterlace function that releases perfect images
The 42" Monitor offers audio enhancements including Built-inSpeakers and Gradual Volume Increase. It offers special
features such as 3D Comb Filter and Multi-Lingual Menu.
The cabinet looks stylish with a black finish



SPECIFICATION	IV-OR42RTG
Screen Size	42"
Resolution	1366 x 768 @60Hz
Pixel Type	Active Matrix TFT
Contrast Ratio	800:01:00
Brightness	500 cd/m2
Aspect Ratio	16:9
Color Depth	16.7M
Viewing Angle(H/V)	178° / 178°
Pixel Pitch	0.227 x 0.681 mm
Response Time	< 18ms (Typical)
Frequency(H)	30 ~ 64 KHz)
Frequency(V)	50 ∼75 KHz)
Consumption	<230W / Power Saving (EPS, VESA DMPS, Nutek Compliant)
Electrical Ratings	AC100 ~ 240V (50/60Hz)
Circumstance Operating Temperature	10°C ~ 40°C / 50°F ~ 104 °F
Outline Dimension (with stand)	41.85" x 25.79" x 4.72"
Net Weight	31kg (68.3 Lbs)
Cabinet Finish	Black

IDView Technologies • 12900 Ford Rd. Suite 110 • Dallas, TX 75234 • www.digitalidview.com



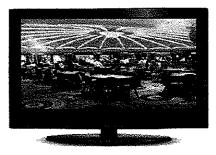
32" LCD CCTV Monitor

IV-OR32RTV

Features:

- . Auto Sleep Timer
- . Composite time cycle
- . 8ms Response, 500 NITS, 1200:1
- , 3D Comb Filter / Deinterlace
- . 10W x 2 Built-In Speakers
- . Multi-Language Support
- . Wall and Ceiling Mount





SPECIFICATION	IV-OR32RTV
Screen Size	32"
Maximum Resolution	1386 x 768 @ 60Hz
Pixel Pitch	0.51 x 0.511mm
Brightness	500 cd/m2
Contrast Ratio	1200:01:00
Aspect Ratio	16:9
Viewing Angle (H/V)	178°(H) / 178°(V)
Display Colors	16.7 Million
Response Time	< 8ms (Gray to Gray)
Video System	NTSC / PAL
BNC Video In / Out	2/2
S-Video In / Out	1/1
VGA In (15Pin D-Sub)	1
Audio In (RCA Type)	2 (L + R)
PC Stereo In	1
Remote Control	Yes
Built-in Speakers	Yes (10W x 2)
Filter Type	3D Comd Filter / Deinterlace
Auto Sleep Timer	Yes
Composite Time Cycle	Yes
LCD Protection Glass	N/A
Multi Language	English, French, German, Spanish, Italian, Dutch, Swedish, Finnish, Danish, Portuguese, Russian, Turkish, Japanese, Korean
Outline Dimension (w/o stand)	31.37" W x 21.65" H x 4.3" D
Net Weight	29.76 lbs
Material Color	ABS Plastic / Black
Desk Top Stand	Yes
Tilt Function	Yes
Electronic	RoHs, UL, CB, FCC(A), CE-Emo(LVD)
Consumption < On	< 140W
Electrical Ratings	AC100 ~240V(50/60Hz)
Operating Temperature	32 ~ 122 °F
Storage Temperature	-4 ~ 140 °F
VESA Mount Size	400 x 200mm (BS M6 x 16mm Screw)
Wall	WB-71, WB-72
Ceiling	CMK-01 with FMA-01



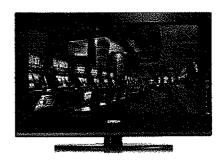
26" LCD CCTV Monitor

IV-OR26RTV

Features:

- . Auto Sleep Timer
- . Composite time cycle
- . 8ms Response, 450 NITS, 1000:1
- . 3D Comb Filter / Deinterlace
- . 10W x 2 Built-In Speakers
- . Video 2 In / 2 Out (BNC Type), S-Video 1 In / Out, VGA 1 In, Audio 2 In (RCA Type), PC Stereo 1 In
- . Wall and Ceiling Mount





_	
SPECIFICATION	IV-OR26RTV
Screen Size	32"
Maximum Resolution	1366 x 768 @ 60Hz
Pixel Pitch	0.421 x 0.4211mm
Brightness	450 cd/m2
Contrast Ratio	1000 : 1
Aspect Ratio	16:9
Viewing Angle (H/V)	178°(H) / 178°(V)
Display Colors	16.7 Million
Response Time	< 8ms (Gray to Gray)
Video System	NTSC / PAL
BNC Video In / Out	2/2
S-Video In / Out	1/1
VGA In (15Pin D-Sub)	1
Audio In (RCA Type)	2 (L + R)
PC Stereo In	1
Remote Control	Yes
Built-in Speakers	Yes (10W x 2)
Filter Type	3D Comd Filter / Deinterlace
Auto Sleep Timer	Yes
Composite Time Cycle	Yes
LCD Protection Glass	N/A
Multi Language	English, French, German, Spanish, Italian, Dutch, Swedish, Finnish, Danish, Portuguese, Russian, Turkish, Japanese, Korean
Outline Dimension (w/o stand)	26.18" W x 19.49" H x 4.1" D
Net Weight	21.82 lbs
Material Color	ABS Plastic / Black
Desk Top Stand	Yes
Tilt Function	Yes
Parts / Labor	2 Years / 2 Years
MTBF (Approx)	50,000 Hours
Electronic	RoHs, UL, CB, FCC(A), CE-Emo(LVD)
Consumption < On	< 95W
Electrical Ratings	AC100 ~240V(50/60Hz)
Operating Temperature	32 ~ 122 °F
Storage Temperature	-4 ~ 140 °F
VESA Mount Size	400 x 200mm (BS M6 x 16mm Screw)
Wall	WB-5, WB-10, WB-30, WB-31
Ceiling	CMK-01
<u> </u>	

Wide Dynamic Range Dome Camera



IV-DS512

Features:

1/3" SONY Super DS CCD Used Wide Dynamic Range Day/Night Function 600 TVL

0.3 Lux @ F1.2 (Color)

0.00004 Lux (Sens-Up x256)

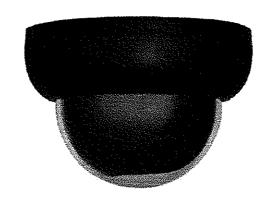
Controlled By OSD Menu

3DDNR (3D Digital Noise Reduction)

Mirror(H-REV), FLIP(V-REV), FREEZE Function

Privacy Function

Motion Detection



IV-DS512 600 TVL 1/3" SONY Super SD CCD NTSC: 811x508 410k Pixels; PAL: 795x595 470k Pixels NTSC 768x494 380k Pixels; PAL: 752x582 440k Pixels		
NTSC: 811x508 410k Pixels; PAL: 795x595 470k Pixels NTSC 768x494 380k Pixels; PAL: 752x582 440k Pixels		
NTSC 768x494 380k Pixels; PAL: 752x582 440k Pixels		
2:1 Interface		
2:1 Interface		
Internal/Line Lock		
NTSC:Horizontal15.734kHz/ Vertical: 59.94Hz; PAL:Horizonta 15.625kHz/Vertical 50Hz		
More than 52dB (AGC off, Weight on)		
CVBS 1.0Vp-p/75ohm		
0.3 Lux @ F1.2 (Color), 0.00004 Lux (Sens-Up x256)		
ATW/AWC/Manual/Outdoor (1800k ~ 10500k)/ Indoor (4500k~8500k)		
Auto/Manual (NTSC:1/60sec~1/120000sec;PAL:1/50sec~1/120000sec)Selectable/Flickerless		
4-9mm; 2.6-6mm; 3.8-9.5mm; 2.8-12mm		
Built-In		
WDR, BLC, Off Selectable		
Low, High, Off Selectable		
ON/ OFF (1~32 level selectable)		
Color/ Black & White/ Auto/ EXT		
INT/LL Selectable		
ON/ OFF 8 Zone		
ON/ OFF 8 Zone		
ON/ OFF		
ON/ OFF		
256 point (Even 128 point, ODD 128 point)		
-10C ~ 50C / 30%~80% RH		
-20C~60C / 20%~90% RH		



Re: RFQ No. DJS010296 Video Surveillance Systems

To: State of West Virginia Department of Administration Purchasing Division 2019 Washington St. East P. O. Box 50130 Charleston, WV 25305

Attn: Tara Lyle 304-558-2544 304-558-4115(fax) tara.lyle@wv.gov

CompuLan Center, dba/Digital IDView Technology hereby certified that all equipment is manufactured by us and our affiliated factories. Digital IDView Technology will warranty our products for a period of three years, including DVR, NVR, monitors, cameras, lens, accessories, housing and brackets.

Digital IDView has been an OEM partner for a number of major players in the CCTV Security surveillance equipment business such as TYCO, JVC, Toshiba and others for a number of years now. We also manufacture the same equipment under our own brand name, Digital IDView.

We have a strong established distribution channel across the country. Our primary strength in the market is the ability to offer top of the line equipment, backed by a strong technical support team, at some of the most aggressive pricing in the industry. Our company has accumulated over 100 years of IP experience and takes pride in our ability to offer 24X7 technical supports. We have a reference list that includes the largest retailers, grocery stores, government agencies and correctional facilities.

We are confident that our bid offers the best solution and is most suitable for your business requirements.

We are committed to quality and will work hard to exceed your expectation. Our firm, along with our local dealer will work toward the goals of holding down the costs, on time delivery and best after sales services.

Officers

VP Marketing

Sandy Lee

Signature:

V 75024

Address: 12000 Ford Rd. Suite 110 Dallas TX 75234

Phone: 972-247-1203 Fax: 972-247-1291

References

1) Duckwall-ALCO Stores, Inc.

Contact: Randy Long Loss Prevention Manager Tel: 785-263-3350 x177 Cell: 785-472-1066

Email: rlong@ALCOstores.com

Project Description: Provide equipment and Install 12 Indoor/outdoor Cameras, 6 Dummy Cameras, a Public View Monitor, a DVR and a main monitor at all ALCO Stores- has been a customer for the past five to six years - is familiar with the 360 degree mega pixel camera application

2) Dollar Financial Corp

Contact: Paul McGinley

Loss Prevention Technical Assistant 1436 Lancaster Ave., Suite 300

Berwyn, PA 19312 Tel: 610-640-5956

Email: Paul.McGinley@dfg.com

Project Description: Provide equipment and Install 12 Indoor Cameras, a Public View Monitor and a DVR at all stores - has not installed much lately due to budget constraint

3) Big Dog Sportswear/ The Walking Company

Contact: Ralph Rawles Director, Loss Prevention

PO Box 28251

Bellingham, WA 98228-0251 Tel: 805-963-8727 ext:1228 Email: RalphR@BigDogs.com

Project Description: Provide equipment and Install 12 Indoor Cameras, a Public View Monitor and a DVR at all stores - has not installed much lately due to budget constraint

4) EZCORP, Inc

Contact: Chris Meiske Loss Prevention / Security

2028 E. St. Elmo St. Suite A, B & C,

Austin TX 78744 Tel: 512-326-7900

Email: Chris Meiske@ezcorp.com

Project Description: Provide equipment for 12 Indoor/outdoor Cameras, a Public View Monitor and a DVR at all stores - has been a customer for the past four years

5) Tuesday Morning, Inc

Contact: Heinrich Downes

6250 LBJ Freeway, Dallas, TX, 75240 Tel: 972-387-3562

Email: Heinrich@tuesdaymorning.com

Project Description: Provide equipment for covert application, public view monitors and 16 channel DVR - has been a customer for the past four years

Pier 1

Contact: Dennis McAdams P.O.BOX 162269, Fort Worth

TX 76161

Tel: 817-252-8988

Email: Dlmcadams@pier1.com

Project Description: Provide 4 ch DVR, cameras, and accessories for new stores and upgrade for existing stores.

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Power Adaptor and Power Box

IV-D77H07-A1030 (Power Adaptor)



SPECIFICATION	IV-D77H07-A1030	
Input	AC 100 ~ 115V	
Output	AC 24V, 72 VA	

IV-D77H07-P1030 (Power Box)

Description:

The IV-D77H07-P1030 is a weatherproof power supply, with integrated connection for communication, alarm, and video, designed for outdoor applications with the IDView IV-DH8030, IV-DH8036 and IV-DH610 speed dome cameras, providing water resistant protection. The unit has one fused output and can handle a total load of 72 VA.



SPECIFICATION	IV-D77H07-P1030		
Input	AC 110 ~ 115V		
Output	AC 24V, 72 VA		
Dimensions	186.5 × 147 × 76 mm (7.3 × 5.8 × 3 inches)		
Weight	2.6 kg (5.8 lbs)		

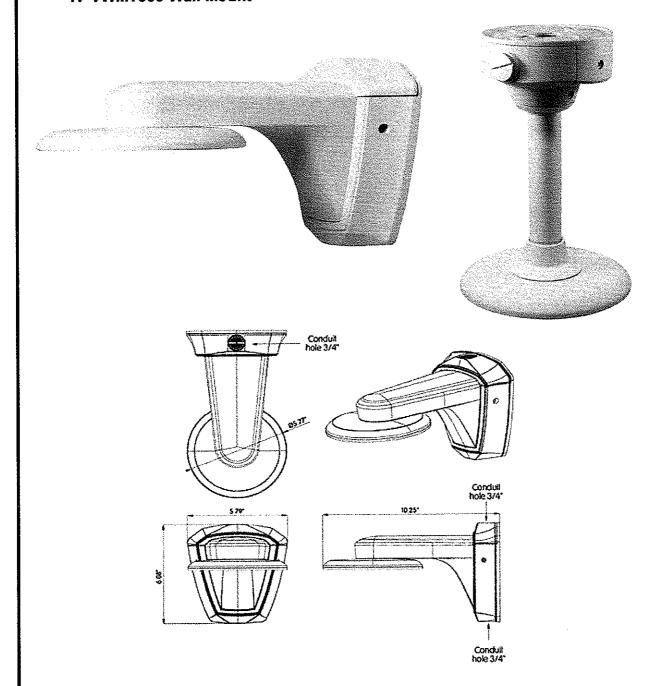
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Outdoor Mounts



IV-VWMT500 Wall Mount

IV-VCMT500 Pendant Mount

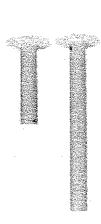


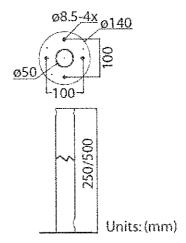
Compatible with IV-DV502V, IV-DV502F, IV-DV512, IV-DV502IR



Pendant Mount

IV-D77H03-1WST IV-D77H03-2WST





Compatible with IV-DH8030 and IV-DH8036.

Specification	IV=D77H03-1WST	IV-D77H03-2WST	
Height	9.8"	19.7"	
Diameter	2"		
Weight	2.2 lbs	4 lbs	

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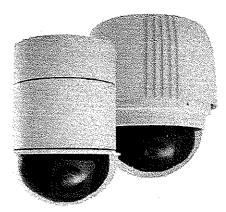


High Speed Dome Camera

IV-DH7030/DH7036 / IV-DH8030/DH8036

Features:

- . High Resolution 540 TVL
- . Max. 36x Optical Zoom
- . Digital Slow Shutter
- . Day/Night Function, IR Cut Filter
- . 2D/3D Noise Reduction
- . Wide Dynamic Range
- . 0.225 ° Pan/Tilt Preset Accuracy
- . Multi-language OSD
- . Multi-protocol, Coaxitron® and Biphase® Support
- Schedule & Home Function



. Schedule & Home Function	
SPECIFICATION	IV-DH7030/IV-DH8030 IV-DH7036/IV-DH8036
CCD Sensor	1/4" ExView CCD
Optical Zoom	30x, 3.6~108 mm 36x, 3.43~120 mm
Digital Zoom	1× ~ 12× variable
Effective Pixels	380k(NTSC) / 440k (PAL)
Horizontal Resolution	540 TVL
Video Output	1.0 Vp-p / 75 Ω, BNC
Minimum Illumination	0.01 (B/W)
Focus Mode	Auto / Manual
White Balance	Auto / Manual / Indoor / Outdoor
Iris Control	Auto / Manual
Electronic Shutter	1/1~ 1/10k sec.
AGC control	Auto / Manual
Backlight Compensation	On / Off
Built-in Protocol	Petco D&P, VCL, Philips, AD-422, JVC, etc.
Multi-Language	OSD English, French, German, Italian, Japanese, Polish, Portuguese, Russian, Spanish, S. Chinese
Pan Travel	360° endless
Tilt Travel	-10° ~ 190°
Manual Speed	0.5° ~ 55°/s
Presets	256
Preset Accuracy	0.225° (Pan/Tilt)
Preset Speed	5° ~ 400°/s (Pan/Tilt)
Sequence	8
Auto Pan	4
Cruise	4
Privacy Mask	16
Proportional Pan & Tilt	On/Off (Pan and tilt speed proportional to zoom ratio)
Home Function	Preset, Sequence, Auto pan, Cruise
Auto Flip	Digital / Mechanical / Off
Digital Slow Shutter	On / Off
Day/Night: IR Cut Filter	On / Off
Wide Dynamic Range	Built-in
Alarm Input	8
Alarm Output	1
Alarm Reaction	Preset, Sequence, Auto pan, Cruise
Controller Interface	RS-485
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F), indoor / -30°C ~ 45°C (-22°F ~ 113°F), outdoor
Power Source	DC12V/AC24V ± 10%,14W, indoor / AC24V ± 10%, AC 115V (Optional), 52 W (with Heater), outdoor
Regulatory	CE, FCC, RoHS, IP 66

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Vari-focal Auto Iris Lens

ML0550MD / ML05100MD / ML02812MD







ML05100MD



ML02812MD

SPECIFICATION	WILO550WD	ML05100MD	ML02812MD
Focal Length	5.0-50mm	5.0-100mm	2.8-12mm
I.E (HOR)	51.2-5.7 deg.	4 5-2.9 degree	95.6-22.1 degree
Aperture (F)	1.6-360	1.8-360	1.4-360
Mount		CS	
Image Format		1/3"	
M.O.D.	0.1m	0.2m	0.1m
Size	45 x 63mm	50 x 88.8mm	40.8 x 67.6mm
Weight	180g	260g	175g
NOTES	IR corrective, NEW		

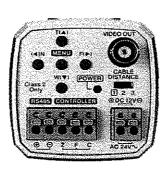
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Zoom Box Camera

IV-A1810NL

Features:

- . 1/4" SONY Super HAD CCD
- . High Resolution: 480 TV Line
- . Built-in Auto Focus/Auto Iris
- . 18x Optical Power Zoom Lens
- . 10x Digital Zoom (Max. 270x)
- . TDN (ICR)
- . On-screen Menu Control (OSD)
- . Six Backlight Compensation (BLC) Zones
- . Video Transmission Distance Adjustable (3 Step)
- . RS-485 Interface(Pelco-D)/PTZ Controller Interface
- . Electronic Sensitivity-up(DSS)
- . 12VDC/24VAC Dual Voltage





	IV-A1810NL
Signal System	NTSC
Scanning System	2:1 Interlace
Scanning Frequency(H)	15.734kHz
Scanning Frequency(V)	59.94Hz
Image Sensor	1/4" SONY Super HAD CCD
Sync. System	Internal
Total Pixels Number	811(H) x 508(V) 410K
Effective Pixels Number	768(H) x 494(V) 380K
Horizontal Resolution	480 TV Lines
Video Output Level	1.0 Vp-p (75Ω , Composite)
S/N Ratio	More than 48dB (AGC Off)
Digital Zoom Ratio	10x
Lens	18x Zoom Video AF (F1.6, f=3.6~64.8mm)
Min. Illumination	Day mode 1Lux(30IRE), Night mode 0.25Lux(30IRE), DSS 0.001Lux(128FLD, 30IRE)
Day & Night System	Digital Slow Shutter
AGC	ON/OFF
BLC	6 Back Light Compensation Zones
Flickerless	ON/OFF
Electronic Shutter Speed	1/60 ~ 1/10,000s (Manual, 8 steps)
Digital Slow Shutter	2FLD~128FLD/OFF
Mirror Function	ON/OFF
OSD Menu	Multi-language OSD (default: ENG/KOR)
Input/Output Connector	Power: 2 Pin Terminal / RS-485: 2 Pin Circle Connector / PTZ
Impuroalput Connector	Control: 3 Pin Circle Connector / Video
Power Consumption	Max. 4.68W / 390mA
Power Voltage	12VDC/24VAC Dual Voltage
Dimensions	63(W) x 62(H) x 120(D) mm
Weight (Net)	Approx. 325g
	

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Indoor IR Dome Camera



IV-D502IR

Features:

1/3" SONY Super HAD CCD Day/Night Function 560 TVL

0.3 Lux @ F1.2 (Color)

0.03 Lux (B/W)

35 IR LED (0.0 Lux IR on), Viewing Distance 100ft

On Screen Display Menu

Privacy Zone

Motion Detection

4-Axis, True Viewing Angle



SPECIFICATION	IV-D502IR
Resolution	560 TVL
Sensor	1/3" SONY Super HAD CCD
Total Pixels	NTSC: 811(H)x508(V) 410k Pixels; PAL: 795(H)x595(V) 470k Pixels
Effective Pixels	NTSC 768(H)x494(V) 380k Pixels; PAL: 752(H)x582(V) 440k Pixels
Scanning System	2:1 Interface
Synchronization	Internal
Frequency	NTSC:Horizontal15.734kHz/ Vertical: 59.94Hz; PAL:Horizonta 15.625kHz/Vertical 50Hz
S/N	More than 50dB (AGC Off)
Video Output	CVBS 1.0Vp-p/75ohm
Min. Illumination	0.3 Lux @ F1.2 (Color), 0.03 Lux (B/W), 0.0 Lux (IR on)
White Balance	ATW/ ATC/ Manual (2100k ~ 10500k)
ES Speed	Auto/Manual: NTSC:1/60sec~1/120000 sec.
Lens	2.8-12mm
O.S.D	Built-In
Backlight Compensation	On/ Off
Gain Control	On/ Off
Day/Night	Auto/On
Motion Detection	On/ Off 64 Grids
Privacy Zone	On/ Off 4 Zones
MIRROR	On/ Off
Operating Temp.	-10C~50C / 30%~80% RH
Storage Temp.	-20C~60C / 20%~90% RH
Power	DC 12V/ AC 24V
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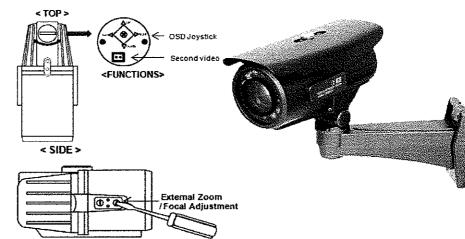


Outdoor IR Bullet Camera

IV-BV5254IR

Features:

- . High Resolution 600TV Lines
- . 3.5~16mm DC Auto Iris Varifocal Lens
- . Weatherproof Housing (IP66)
- . Simple OSD Setting
- . LED Line Control
- . Visual Distance (IR Range): 150 ft
- . True Day & Night (ICR)
- . External Zoom & Focal Adjustment
- . Video Test Output
- . Cable Hidden Bracket
- . 2D DNR / IR Smart / D-WAR



. 20 01	AK / IK GHIAIL / D-WAK	
Sie	(firation	IV::BV5254IR
Total F	rixels	811(H) x 508(V)
Effecti	ve Pixels	768(H) x 494(V)
Senso	r	1/3" Sony Super HAD II CCD
Scann	ing System	2:1 Interlace
Freque	ency	Horizontal ;15.734KHzVertical : 59.94Hz
	Resolution	More than 600 TV Lines
1	Video Output	1.0Vp-p Composite Signal (75ohm)
	S/N (Y signal)	52dB or more (AGC OFF)
	Min.lllumination	0 Lux for Infrared Lighting Conditions
	Gain Control	OFF / LOW / MIDDLE / HIGH
E	White Balance	ATW1(2300°K~9500°K)/ATW2(2000°K~11000°K)/MANUAL
L	Electronic shutter speed	1/60s - 1/100,000s
E	Back light(BLC)	OFF / BLC / HLC Selectable
T	2D-DNR	ON / OFF Selectable
R	D&N Selection	AUTO / COLOR / BW / EXT
C	D-WDR	ON / OFF Selectable(Level Adjustable 0~35)
A	Dead Pixel(DPC)	OFF / Auto(Max 64points)
L	IR SMART	ON / OFF Selectable(IR GAIN Level Adjustable 0~ 255)
	Motion Detection	OFF / ON(4Areas Selectable)
1	Privacy Masking	OFF / ON(8Masks Selectable)
	Lens Shading(LSC)	ON / OFF Selectable(Level Adjustable 0~255)
	SHARPNESS	ON / OFF (Level Adjustable 0~30)
	O.S.D	Available
IR LED		54 IR LEDs
IR Ran	ge	150 ft
Lens N	Nount	3.5 ~ 16mm DC Auto Iris
Operat	ting temperature/Humidity	14 °F ~ 122 °F / 0 ~ 80% RH
Power Supply		DC12V 100mA (CDS ON : 600mA Max)
Dimensions		3.46" (W) x 3.43" (H) x 6.97" (D)
Weight		Appx. 2.91 lbs
1		

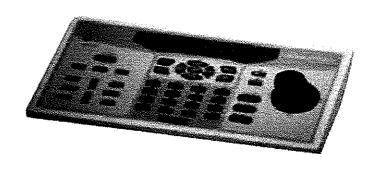
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CCTV Remote Control Keyboard

IV-7313-S

Features:

- . RS-485 port for CCTV system control
- . Built-in DSCP, Pelco D&P protocol
- . Joystick control of PTZ functions
- . Preset position and Cruise control
- . User-friendly interface
- . Firmware upgrade via RS-232
- . Control Dome cameras, P/T/Z Receivers, Multiplexers, DVR's
- . 16 Cameras, 1 Multiplexer
- . Optional 3-axis joystick



SPECIFICATION	IV-7313-S
Power	12 Volt DC
Power Consumption	5W .
RS-485 port	RJ-11, Terminal Blockx1
RS-232 port	D-SUB 9pin x 1
Device on Bus	16 Cameras 1 Multiplexer
Pan/Tilt Control	Manual Pan/Tilt
Preset:	128 maximum
Auto Pan:	On/Off
Sequence:	4 Minimum
Cruise:	On/Off
Lens Control	N/A
Zoom:	Tele/Wide
Focus:	Near/Far, Auto
Iris:	Open/Close, Auto
Camera Setup	Yes
Multiplexer Control	Channel select: 16
Multiplexer Setup	Yes
Dimension (L x W x H)	330 x 175 x 65 mm (139 x 6.9 x 2.6 inches)
Operation Temperature	0°~40° (32° to 104°)
Operation Humidity	Below 90%, non-condensing
Weight	1.5kg (3.3 lbs)

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Vandal Proof WDR Dome Camera

IV-DV512

Features:

1/3" SONY DS CCD Used Wide Dynamic Range Day/Night Function

3 Axis Construction 600 TVL

0.3 Lux @ F1.2 (Color)

0.00004 Lux (Sens-Up x256)

Controlled By OSD Menu

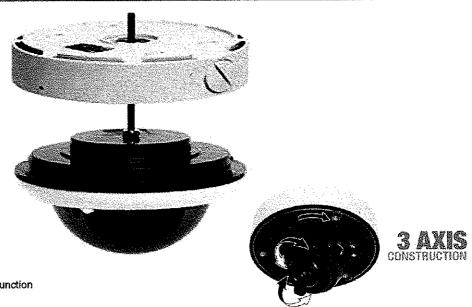
3DDNR (3D Digital Noise Reduction)

Mirror(H-REV), FLIP(V-REV), FREEZE Function

Privacy Function

Motion Detection

IP 68



SPECIFICATION	IV-DV512
Resolution	600 TVL
Sensor	1/3" SONY Super SD CCD
Total Pixels	NTSC: 811x508 410k Pixels; PAL: 795x595 470k Pixels
Effective Pixels	NTSC 768x494 380k Pixels; PAL: 752x582 440k Pixels
Scanning System	2:1 Interface
Synchronization	Internal/Line Lock
Frequency	NTSC:Horizontal15.734kHz/ Vertical: 59.94Hz; PAL:Horizonta 15.625kHz/Vertical 50Hz
S/N (Y signal)	More than 52dB (AGC off, Weight on)
Video Output	CVBS 1.0Vp-p/75ohm
Min. Illumination	0.3 Lux @ F1.2 (Color), 0.00004 Lux (Sens-Up x256)
White Balance	ATW/AWC/Manual/Outdoor (1800k ~ 10500k)/ Indoor (4500k~8500k)
ES Speed	Auto/Manual (NTSC:1/60sec~1/120000sec;PAL:1/50sec~1/120000sec)Selectable/Flickerless
Lens	2.8-12mm
O.S.D	Built-In
Backlight Compensation	WDR, BLC, Off Selectable
Gain Control	Low, High, Off Selectable
3DDNR	ON/ OFF (1~32 level selectable)
Day/Night	Color/ Black & White/ Auto/ EXT
SYNC	INT/LL Selectable
Motion Detection	ON/ OFF 8 Zone
PRIVACY	ON/ OFF 8 Zone
MIRROR (H-REV)	ON/ OFF
FLIP (V-REV)	ON/ OFF
Blemish Compensation	256 point (Even 128 point, ODD 128 point)
Operating Temp.	-10C ~ 50C / 30%~80% RH
Storage Temp.	-20C~60C / 20%~90% RH
Power	DC 12V/ AC 24V Dual Power
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Vandal-Resistant Dome Camera



IV-V252-4VF

Features:

- . 1/3" SONY Super HAD CCD II
- . Ultra High Resolution: 600 TV Lines (BW 650TV Lines)
- . Built-in DC Iris Vari-focal Lens (f=2.8~10.5mm)
- . TDN(ICR)
- . Min. Illumination : 0.03Lux (B/W)
- . OSD, Auto White Balance
- AGC, SBLC, Flickerless
- . Motion Detection, Privacy Zone, Mirror Function
- . 3-Axis Movement for Free Lens Rotation
- . 100m Dome Size
- Vandal-Resistant Dome Housing
- . Dual (Surface/Flush) Mount
- . (Option) RS-485(Pelco-D, CNB) Interface
- . 24VAC/12VDC Dual Voltage
- . Recommanded wall mount bracket IV-WMDB for outdoor using
- . (Option) Heater



(Option) Heater	
SPECIFICATION	IV-V252-4VF
Signal System	NTSC
Scanning System	2:1 Interlace
Scanning Frequency(H)	15.734 KHz
Scanning Frequency(V)	59.94 Hz
mage Sensor	1/3 inch SONY Super HAD CCD II
Sync. System	Internal
Total Pixels Number	811(H) x 508(V) 410K
Effective Pixels Number	768(H) x 494(V) 380K
Horizontal Resolution	600 TV Lines (BW 650TV Lines)
Video Output Level	1.0 Vp-p (75Ω, Composite)
S/N Ratio	More than 50dB (AGC Off)
Lens	DC Iris Vari-focal Lens (f=2.8~10.5mm)
Min. Illumination	0.1 Lux (Color), 0.03 Lux (B/W)
Day & Night System	ICR(AGC Type)
Digital Noise Reduction (SDNR)	Low, Middle, High, Off
White Balance	ATW, Manual, Push
AGC	On/Off
SBLC	Off, Low, Middle, High
Flickerless	On/Off
Electronic Shutter Speed	1/60~1/120,000
Manual Shutter Speed	1/60, 1/250, 1/700, 1/1K, 1/1.6K, 1/2.5K, 1/5K, 1/7K, 1/10K, 1/30K, 1/60K, 1/120K
Mirror Function	Horizontal
OSD Menu	English, Chinese
Privacy Zone	On/Off (4 Programmable Zone)
Motion detection	On/Off (4 Programmable Zone)
Power Consumption	Max. 2.2W/180mA
Power Voltage	24VAC/12VDC Dual Voltage
Dimensions	Surface : 100.0 x 124.5 mm / Flush : 100.0 x 111.0 mm
Weight (Net)	Approx. 43 oz / 1210g

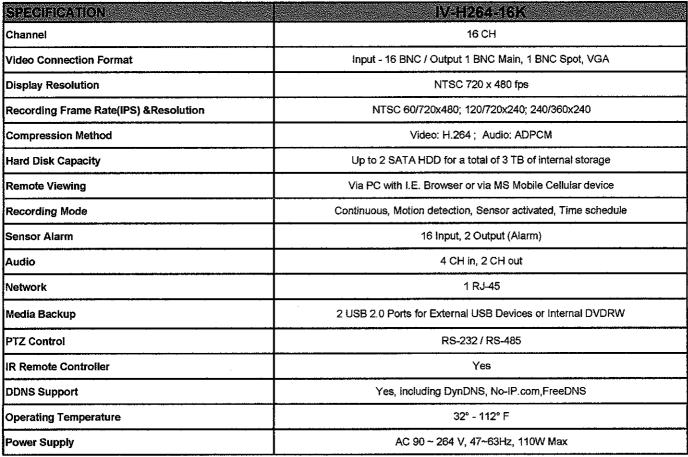
IDView Technologies • 12000 Ford Rd. Suite 110 • Dallas, TX 75234 • www.digitalidview.com

H.264 Hexaplex 16 CH Network DVR



IV-H264-16K

- . 16 CH H.264 DVR with sixfold operation -record, live, playback, backup, control, & remote access
- . Realtime live display, 30 (NTSC) fps for each channel
- . H.264 Baseline profile video compression/ decompression with configurable quality
- . Bi-directional audio capabilities
- . Audio in 4 CH / audio out 2 CH
- . Ethernet for remote access, including web access, e-mail alarm notification and software upgrade
- . I.E. software for up to 4 DVRs
- . USB 2.0 for video/audio backup to internal DVD, including DVD+RW, DVD+R, and DVD-R
- . 1 IR remote controller can control up to 4 DVRs
- . Dust filter for harsh environments
- . Multiple units can be displayed on single monitor via Daisy Chain
- . Open system architecture for ease of access via network, RS-485 keyboard



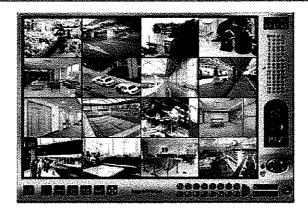


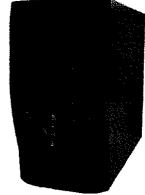
	. Provide advanced PTZ camera control functions, such as iris control, pan/tilt speed
PTZ Camera Control	adjustment auto-loop/auto-pan, and PTZ control over a joystick/keyboard
	. Direct PTZ Camera Control provides auto close-up on the region of interest to turn
	the region into a full-screen display automatically
	. I/O sensors can trigger the PTZ camera to preset positions when events happen
	. PTZ camera automatically tracks a moving object with auto tracking function
	. Support remote viewing via standard web browsers, PDA (WinCE) & mobile phones
Remote Viewing & Control	. View web cam pages at the Dynamic IP server
	. Support remote viewing, recording, playback, DVR setup & video records retrieve
	. Monitor up to 1.024 remote DVR sites
	Support dual screens and 64 videos display
Central Management	Receive & manage event notifications from remote DVR sites
Solution (CMS)	. Generate event logs for archives & search
	Remotely control PTZ camera or trigger I/O devices
	Real-time, two-way voice communication b/w DVR servers and clients
	Backup video records manually or by schedule
	Directly backup recording files to CD/DVD
	Snapshot a video frame for printing or save it as a BMP/JPEG file
Backup & Share	with digital watermark
	. Export video records to an AVI file or a self-executable file. The self-executable
	file is embedded with authentication and password protection
	Multiple levels of access control by cameras and by authorities
	. Centralized Access Control to simplify DVR operation in LAN
Access Control & Stability	. The Smart he Management Technology avoids disk fragmentation & increase
	system stability
	Provide hardware watchdog for system recovery
	. Supports I/O devices up to 64 sensor inputs & 64 relay outputs
	Provides E-map that lays out the locations of video camera, sensor,& alarm devices
Others	. Task Scheduling on recording, event detection & event notification
	. Auto Windows & DVR log-in
SPECIFICATION	IV-HP-884816-HB
Video Input	48 analog cameras (NTSC/PAL), and 16 IP cameras (including megapixel cameras), or
Audio Input	hybrid combination (of analog and IP cameras) 48
Screen Display	Full Screen, 1,4,6, 7, 9, 10,13,16 Split-Screen Display, Loop Display
Resolution Display/Recording Rate	320x240,640x240,640x480(de-interiace),full ,D1 (NTSC:720x480;PAL: 720x576) (Per Camera) 30 fps (NTSq; 25 fps (PAL)
Video Compression Format	Motion-JPEG, HM (MPEG-4like)
Language	English, French, Danish, Dutch, Hebrew, Italian, Japanese, Polish, Russian, Serbian, Simplified Chinese, Traditional Chinese, etc
<u> </u>	Chimpinios Chinoso, Traditional Officese, etc



Real Time Hybrid DVR

IV-HP-884816-HB





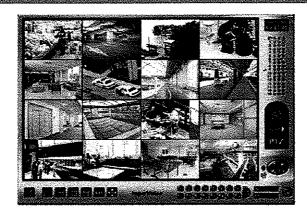
Features:	
Recording & Viewing	. Provide five recording modes: non-stop recording, non-stop smart recording,
	event recording, time-lapse recording and schedule recording
	. Adjust brightness, contrast, saturation and hue for a clearer view
Trecording & Viewing	. Support digital zoom in to view specific areas
	. Built-in Wide Dynamic Vision Pack provides visibility enhancement, sharpness
	adjustment and noise reduction
	. Playback 64 video records simultaneously
Playback & Search	. Search video records by camera, date, event types & time segment just in seconds
	. Intelligent Search includes advanced motion search, & missing & left object search
	. Easily detection suspicious circumstances with motion detection (with object size
	filtering), sensor detection and manual detection
	. Missing & left object detection sends warnings when a suspicious object is left
	or missing from the camera view for a period of time
	. Virtual Fence Detection perceives intrusions when suspicious objects pass
Detection	the pie defined lines
	. Multi-Sensor Detection allows to define one or morn sets of detection regions
	to avoid false alarms
	. Secure Zone Detection alarms when intrusions ware in the pie defined secure area
	. Flame Detection notifies users while detecting flames
	. Flow Counting shows the number of objects passing a pre-defined line or area
	. Send event notifications by phone, email, fax, siren, flash and FTP event images
Event Notification	. Manually trigger events in a full screen display
	. Attach event snapshots with email notification
	. Notify video loss
	. Automatically generate event reports emailed on a daily, weekly or monthly basis

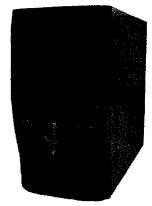
PTZ Camera Control	. Provide advanced PTZ camera control functions, such as iris control, pan/tilt speed
	adjustment auto-loop/auto-pan, and PTZ control over a joystick/keyboard
	. Direct PTZ Camera Control provides auto close-up on the region of interest to turn
	the region into a full-screen display automatically
	. I/O sensors can trigger the PTZ camera to preset positions when events happen
	. PTZ camera automatically tracks a moving object with auto tracking function
	. Support remote viewing via standard web browsers, PDA (WinCE) & mobile phones
Remote Viewing & Control	. View web cam pages at the Dynamic IP server
	. Support remote viewing, recording, playback, DVR setup & video records retrieve
***************************************	. Monitor up to 1,024 remote DVR sites
	. Support dual screens and 64 videos display
Central Management	. Receive & manage event notifications from remote DVR sites
Solution (CMS)	Generate event logs for archives & search
	Remotely control PTZ camera or trigger I/O devices
	Real-time, two-way voice communication b/w DVR servers and clients
	. Backup video records manually or by schedule
	Directly backup recording files to CD/DVD
	Snapshot a video frame for printing or save it as a BMP/JPEG file
Backup & Share	with digital watermark
	. Export video records to an AVI file or a self-executable file. The self-executable
	file is embedded with authentication and password protection
	. Multiple levels of access control by cameras and by authorities
	. Centralized Access Control to simplify DVR operation in LAN
Access Control & Stability	The Smart he Management Technology avoids disk fragmentation & increase
	system stability
	Provide hardware watchdog for system recovery
	. Supports I/O devices up to 32 sensor inputs & 32 relay outputs
	Provides E-map that lays out the locations of video camera, sensor,& alarm devices
Others	Task Scheduling on recording, event detection & event notification
	. Auto Windows & DVR log-in
SPECIFICATION	IV-HP-883216-HB
Video Input	32 analog cameras (NTSC/PAL), 16 IP cameras (including megapixel cameras), or
Audio Input	hybrid combination (of analog and IP cameras)
Screen Display	Full Screen, 1,4,6, 7, 9, 10,13,16 Split-Screen Display, Loop Display
Resolution	320x240,640x240,640x480(de-interiace),full ,D1 (NT5C:720x480;PAL: 720x576)
Display/Recording Rate Video Compression Format	(Per Camera) 30 fps (NTSq; 25 fps (PAL) Motion-JPEG, MPEG4, H.264
Language	English, French, Danish, Dutch, Hebrew, Italian, Japanese, Polish, Russian, Serbian,
	Simplified Chinese, Traditional Chinese, etc
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Real Time Hybrid DVR

IV-HP-883216-HB





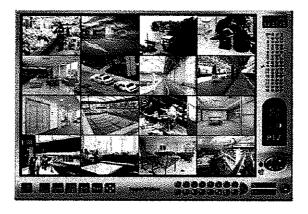
Features:	
Recording & Viewing	. Provide five recording modes: non-stop recording, non-stop smart recording,
	event recording, time-lapse recording and schedule recording
	. Adjust brightness, contrast, saturation and hue for a clearer view
	. Support digital zoom in to view specific areas
	. Built-in Wide Dynamic Vision Pack provides visibility enhancement, sharpness
	adjustment and noise reduction
	. Playback 16 video records simultaneously
Playback & Search	. Search video records by camera, date, event types & time segment just in seconds
	. Intelligent Search includes advanced motion search, & missing & left object search
	. Easily detection suspicious circumstances with motion detection (with object size
	filtering), sensor detection and manual detection
	. Missing & left object detection sends warnings when a suspicious object is left
	or missing from the camera view for a period of time
	. Virtual Fence Detection perceives intrusions when suspicious objects pass
Detection	the pie defined lines
	. Multi-Sensor Detection allows to define one or morn sets of detection regions
	to avoid false alarms
	. Secure Zone Detection alarms when intrusions ware in the pie defined secure area
	. Flame Detection notifies users while detecting flames
	. Flow Counting shows the number of objects passing a pre-defined line or area
	. Send event notifications by phone, email, fax, siren, flash and FTP event images
Event Notification	. Manually trigger events in a full screen display
	. Attach event snapshots with email notification
	. Notify video loss
	. Automatically generate event reports emailed on a daily, weekly or monthly basis

	. Provide advanced PTZ camera control functions, such as iris control, pan/tilt speed
PTZ Camera Control	
	adjustment auto-loop/auto-pan, and PTZ control over a joystick/keyboard
	. Direct PTZ Camera Control provides auto close-up on the region of interest to turn
	the region into a full-screen display automatically
	. I/O sensors can trigger the PTZ camera to preset positions when events happen
	. PTZ camera automatically tracks a moving object with auto tracking function
Remote Viewing & Control	. Support remote viewing via standard web browsers, PDA (WinCE) & mobile phones
	. View web cam pages at the Dynamic IP server
	. Support remote viewing, recording, playback, DVR setup & video records retrieve
Central Management Solution (CMS)	. Monitor up to 1.024 remote DVR sites
	. Support dual screens and 64 videos display
	. Receive & manage event notifications from remote DVR sites
	. Generate event logs for archives & search
	. Remotely control PTZ camera or trigger I/O devices
	. Real-time, two-way voice communication b/w DVR servers and clients
	. Backup video records manually or by schedule
	. Directly backup recording files to CD/DVD
Dealma & Ohana	. Snapshot a video frame for printing or save it as a BMP/JPEG file
Backup & Share	with digital watermark
	. Export video records to an AVI file or a self-executable file. The self-executable
	file is embedded with authentication and password protection
	. Multiple levels of access control by cameras and by authorities
	. Centralized Access Control to simplify DVR operation in LAN
Access Control & Stability	. The Smart he Management Technology avoids disk fragmentation & increase
	system stability
	Provide hardware watchdog for system recovery
Others	. Supports I/O devices up to 16 sensor inputs & 16 relay outputs
	Provides E-map that lays out the locations of video camera, sensor,& alarm devices
	Task Scheduling on recording, event detection & event notification
	. Auto Windows & DVR log-in
SPECIFICATION	IV-HP-8816-D1-Real Time
Video Input	16 analog cameras (NTSC/PAL), selected IP cameras (including megapixel cameras),
Audio Input	or hybrid combination (of analog and IP cameras) 1~16
Screen Display	Full Screen, 1,4,6, 7, 9, 10,13,16 Split-Screen Display, Loop Display
Resolution	320x240,640x240,640x480(de-interiace),full ,D1 (NT5C:720x480;PAL: 720x576)
Display/Recording Rate Video Compression Format	(Per Camera) 30 fps (NTSq; 25 fps (PAL) Motion-JPEG, HM (MPEG-4like)
Language	English, French, Danish, Dutch, Hebrew, Italian, Japanese, Polish, Russian, Serbian,
	Simplified Chinese, Traditional Chinese, etc



Intelligent Video Analytics DVR

IV-HP-8816-D1-Real Time





r catalog.	
Recording & Viewing	. Provide five recording modes: non-stop recording, non-stop smart recording,
	event recording, time-lapse recording and schedule recording
	. Adjust brightness, contrast, saturation and hue for a clearer view
	. Support digital zoom in to view specific areas
	. Built-in Wide Dynamic Vision Pack provides visibility enhancement, sharpness
	adjustment and noise reduction
Playback & Search	. Playback 16 video records simultaneously
	. Search video records by camera, date, event types & time segment just in seconds
	. Intelligent Search includes advanced motion search, & missing & left object search
Detection	. Easily detection suspicious circumstances with motion detection (with object size
	filtering), sensor detection and manual detection
	. Missing & left object detection sends warnings when a suspicious object is left
	or missing from the camera view for a period of time
	. Virtual Fence Detection perceives intrusions when suspicious objects pass
	the pie defined lines
	. Multi-Sensor Detection allows to define one or morn sets of detection regions
	to avoid false alarms
	. Secure Zone Detection alarms when intrusions ware in the pie defined secure area
	. Flame Detection notifies users while detecting flames
	. Flow Counting shows the number of objects passing a pre-defined line or area
Event Notification	. Send event notifications by phone, email, fax, siren, flash and FTP event images
	. Manually trigger events in a full screen display
	. Attach event snapshots with email notification
	. Notify video loss
	. Automatically generate event reports emailed on a daily, weekly or monthly basis

WDR Megapixel IP Outdoor Vandal Dome

IV-LC-D431MP

- . 1/3" WDR Sony CMOS sensor
- . Simultaneous H.264, MPEG4 and MJPEG video streaming
- . Up to 30 / 25 frame rate in all resolutions
- . Supports two-way audio.
- . User-friendly UPnP functions:
- USB interface for IP address setting and update.
- SD card for alarm recording
- . IP-66 certification is for preventing dust and water
- . Vandal proof
- Power requirements: DC 12V / AC 24V / PoE
- . Mount applications: flush mount, surface mount, pendant mount and wall-mount (optional)



Specification	ty-LC-D431MP
Video sensor	1/3" Sony IMX035 CMOS sensor
Lens	3.3-12mm Vari-focal board type, Auto Iris
Min. Illumination	Color: 0.2 Lux @ F1.4; B/W: 0.01 Lux @ F1.4
Day & Night function	Mechanical IR-Cut filter
Video codec	Simultaneous H.264, MPEG4 & MJEPG video streaming
	Simultaneous multi-profile video stream(at least 3 profiles); Controllable frame rate and bandwidth
Resolutions	1280x1024 / 1280x720 / 640x480 / 320x240 / 160x120
Frame rate	Up to 30/25 fps in all resolutions
Image quality	5 levels
Image configurations	AGC, Exposure Time, Mirror, Flip, White Balance
Digital PTZ	Yes
OSD data	IP Address/Date/Time/Icon
Timestamp	Title/Date/Time
Input / output	audio input x 1 / audio output x 1
Compression	G.711 / G.726
Two-way audio	Yes
Operation system	Linux-based system
Update	SD card / HTTP
Alarm triggers	Motion Detection / Schedule / Alarm input / Ethernet disconnection / Network/Remote digital alarm input
Alarm application	SD recording / SMTP / FTP / CMS recording
Alarm duration	Programmable
Pre-alarm, and post alarm	Yes
Schedule counts	7
Support protocols	IPV4, TCP, UDP, ICMP, DHCP, HTTP, FTP, SMTP, NTP, UPnP, RTP, RTSP, RTCP, DDNS, PPPoE
Security	Multiple authorities levels; IP filtering
Users	10 simultaneous user access
Ethernet	10 /100 Base-TX, RJ-45
Port functions	SD/SDHC card slot
	USB connector
	Push-in block for 2 x digital input /2 x digital output/ 1 x DC output (DC 12V)/ 1 x Ground.
	BNC output for analog signal output
	DC/AC jack connector
LED indicator	Power / Network /SD Status
Button	Reset button
Power	DC 12V (DC power jack) Approx. 4.8 W
	AC 24V (2pin terminal block) Approx. 6 W
	PoE: Approx. 6 W, IEEE 802.3af compliant class 2
Temperature	-40 °F~ 122 °F
Vandal Proof	Yes
Approvals	CE/FCC/RoHS/IP-66/IK-10/C-Tick
Package include	CD x 1; Quick installation guide x 1; Power adapter (DC 12V) x 1; RJ-45 cable x 1