




The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header

 List View

General Information

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[Discount](#)

[Document Information](#)

Procurement Folder: 27027

SO Doc Code: CRFQ

Procurement Type: Central Master Agreement

SO Dept: 0621

Vendor ID: 

SO Doc ID: DJS1500000005

Legal Name: SURVEILLANCE-VIDEO.COM

Published Date: 10/2/14

Alias/DBA:

Close Date: 10/8/14

Total Bid: \$193,453.00

Close Time: 13:30

Response Date: 

Status: Closed

Response Time:

Solicitation Description:

Total of Header Attachments: 0

Total of All Attachments: 0



Purchasing Division
2019 Washinton Street East
Post Office Box 50130
Charleston, WV 25305-0130

State Of West Virginia
Solicitation Response

Proc Folder : 27027

Solicitation Description : ADDENDUM NO 1-Surveillance Cameras and Equipment

Proc Type : Central Master Agreement

Date issued	Solicitation Closes	Solicitation No	Version
	2014-10-08 13:30:00	SR 0621 ESR10081400000000408	1

VENDOR
000000103914 SURVEILLANCE-VIDEO.COM

FOR INFORMATION CONTACT THE BUYER

Dean Wingerd
(304) 558-0468
dean.c.wingerd@wv.gov

Signature X	FEIN #	DATE
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All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Digital Video Recorder 16 channel	12.00000	EA	\$2,462.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description :	Pelco Model 35401V1C2DOS 16 Channel 500GB, 120 IPS or Equal
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Digital Video Recorder 32 Channel	3.00000	EA	\$3,132.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description :	Pelco Model 35401V2C4DOS 32 Channel 1TB, 240 IPS or Equal
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	Digital Video Recorder 64 Channel	2.00000	EA	\$3,132.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description :	Pelco Model 35401V4C5DOS 64 Channel, 2 TB, 480 IPS or Equal
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	16 Channel Encoder	25.00000	EA	\$1,080.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description :	Pelco Model ENC5416- 16 channel Encoder or Equal
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
5	Translator Cards	15.00000	EA	\$98.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description :	Pelco Model ENC5400 4-port translator card or Equal
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
6	48 in X 8 out Matrix Switch	2.00000	EA	\$2,645.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description :	Pelco Model CM6800E 48 In x 8 Out Matrix switch or Equal
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
7	Vari-Speed PTZ Joystick	5.00000	EA	\$475.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description :	Pelco model KBD300A Vari-Speed joystick or Equal
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
8	16 Channel Duplex Multiplexer	3.00000	EA	\$475.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description :	Pelco Model MX4016CD 16 channel Duplex Multiplexer or Equal.
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
9	Flat Screen Monitor 26"	5.00000	EA	\$505.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description :	Pelco Model PMCL526A 26" Flat Screen Monitor or Equal
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
10	Flat Screen Monitor 32"	10.00000	EA	\$815.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description :	Pelco Model PMCL532A 32" Flat Screen Monitor or Equal
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
11	Flat Screen Monitor 42"	10.00000	EA	\$1,535.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description :	Pelco Model PMCL542F 42" Flat Screen Monitor or Equal
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
12	Tilt wallmount Bracket for monitors	10.00000	EA	\$135.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description :	Tilt wallmount bracket for monitors
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
13	Wall Lock box	10.00000	EA	\$449.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description : Pelco model LB3000 Wall Lock Box or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
14	Power Supply 16- out fused 10AMP	10.00000	EA	\$199.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description : Altronix Model R2416300UL 16-out fused 10 amp Power Supply or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
15	Power Supply 32-Out Fused 20AMP	10.00000	EA	\$299.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description : Altronix Model R2432600UL 32-Out fused 20AMP power Supply or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
16	Day/ Night Camera 3-9 mm Lens	15.00000	EA	\$149.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description : Pelco Model IS50DNV10S Day/Night Canera 3-9mm Lens or Equal with wallmount.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
17	Wide Dynamic Range Camera 3-9mm Lens	15.00000	EA	\$149.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description : Pelco Model IS50DWSV85 Wide Dynamic Range Camera 3-9mm lens or Equal with Wallmount

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
18	Combo Day/Night WDR Camera 3-9mm Lens	10.00000	EA	\$149.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description : Pelco Model IS50DNV10S Combo-day/night WDR Camera 3-9mm Lens or Equal with Wallmount

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
19	Indoor Fixed Dome Camera 2.8-10mm Lens	15.00000	EA	\$425.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description : Pelco Model IM10C10-1 Indoor Fixed Dome Camera 2.8-10mm Lens or Equal with wallmount

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
20	Indoor Fixed Min-Dome Camera 3-9.5mm Lens	15.00000	EA	\$195.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description : Pelco Model IS20CHV10S Indoor Fixed Mini-Dome Camera 3-9.5mm Lens or Equal with wallmount

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
21	Indoor/Outdoor Vari-Focal Infrared BulletCamera 3-9.5mm Lens	2.00000	EA	\$219.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description : Pelco Model IS500WSV8S Indoor/Outdoor Vari-Focal Infrared Bullet Camera 3-9.5mm Lens or Equal with wallmount.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
22	Indoor Infrared Fixed Mini-Dome Camera	9.00000	EA	\$149.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description : Pelco Model IS20DWV8S Indoor InfraredCamera or Equal with wallmount.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
23	Indoor Vari-Focal Digital Camera 2.8-12mm Lens	15.00000	EA	\$209.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description : Pelco Model C3751H-2V2I Indoor Vari- Focal Digital Camera 2.8-12mm lens or Equal with Wallmount.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
24	PTZ Camera	15.00000	EA	\$1,609.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description : Pelco Model SD427-PG-E1 23X PTZ Camera or Equal with wallmount.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
25	Day/Night PTZ Camera	15.00000	EA	\$1,969.00	

Comm Code	Manufacturer	Specification	Model #
46171600			

Extended Description :	Pelco Model SD4325-PG-E1 35X D/N PTZ Camera or Equal with wallmount

INSTRUCTIONS TO VENDORS SUBMITTING BIDS

1. **REVIEW DOCUMENTS THOROUGHLY:** The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.
2. **MANDATORY TERMS:** The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.
3. **PREBID MEETING:** The item identified below shall apply to this Solicitation.

☒ A pre-bid meeting will not be held prior to bid opening.

☐ A **NON-MANDATORY PRE-BID** meeting will be held at the following place and time:

☐ A **MANDATORY PRE-BID** meeting will be held at the following place and time:

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one person attending the pre-bid meeting may represent more than one Vendor.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. The State will not accept any other form of proof or documentation to verify attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing. Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in, but are charged with knowing all matters discussed at the pre-bid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

4. **VENDOR QUESTION DEADLINE:** Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions must be submitted on or before the date listed below and to the address listed below in order to be considered. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are non-binding. Submitted e-mails should have solicitation number in the subject line.

Question Submission Deadline: October 1, 2014 at 5:00pm

Submit Questions to: Dean Wingerd

2019 Washington Street, East

Charleston, WV 25305

Fax: (304) 558-4115 (Vendors should not use this fax number for bid submission)

Email: Dean.C.Wingerd@wv.gov

5. **VERBAL COMMUNICATION:** Any verbal communication between the Vendor and any State personnel is not binding, including verbal communication at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.
6. **BID SUBMISSION:** All bids must be submitted electronically through wvOASIS or signed and delivered by the Vendor to the Purchasing Division at the address listed below on or before the date and time of the bid opening. Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason. The Purchasing Division will not accept bids, modification of bids, or addendum acknowledgment forms via e-mail. Acceptable delivery methods include electronic submission via wvOASIS, hand delivery, delivery by courier, or facsimile. The bid delivery address is:

Department of Administration, Purchasing Division

2019 Washington Street East

Charleston, WV 25305-0130

A bid that is not submitted electronically through wvOASIS should contain the information listed below on the face of the envelope or the bid may be rejected by the Purchasing Division.:

SEALED BID:

BUYER:

SOLICITATION NO.:

BID OPENING DATE:

BID OPENING TIME:

FAX NUMBER:

In the event that Vendor is responding to a request for proposal, and chooses to respond in a manner other than by electronic submission through wvOASIS, the Vendor shall submit one original technical and one original cost proposal plus convenience copies of each to the Purchasing Division at the address shown above. Additionally, if Vendor does not submit its bid through wvOASIS, the Vendor should identify the bid type as either a technical or cost proposal on the face of each bid envelope submitted in response to a request for proposal as follows:

BID TYPE: (This only applies to CRFP)

☐ Technical

☐ Cost

7. **BID OPENING:** Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when confirmation of delivery is provided by wvOASIS (in the case of electronic submission) or when the bid is time stamped by the official Purchasing Division time clock (in the case of hand delivery).

Bid Opening Date and Time: October 8, 2014 at 1:30pm

Bid Opening Location: Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

8. **ADDENDUM ACKNOWLEDGEMENT:** Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

9. **BID FORMATTING:** Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.
10. **ALTERNATES:** Any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.
11. **EXCEPTIONS AND CLARIFICATIONS:** The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.
12. **COMMUNICATION LIMITATIONS:** In accordance with West Virginia Code of State Rules §148-1-6.6, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.
13. **REGISTRATION:** Prior to Contract award, the apparent successful Vendor must be properly registered with the West Virginia Purchasing Division and must have paid the \$125 fee, if applicable.
14. **UNIT PRICE:** Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.
15. **PREFERENCE:** Vendor Preference may only be granted upon written request and only in accordance with the West Virginia Code § 5A-3-37 and the West Virginia Code of State Rules. A Vendor Preference Certificate form has been attached hereto to allow Vendor to apply for the preference. Vendor's failure to submit the Vendor Preference Certificate form with its bid will result in denial of Vendor Preference. Vendor Preference does not apply to construction projects.
16. **SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES:** For any solicitations publicly advertised for bid, in accordance with West Virginia Code §5A-3-37(a)(7) and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the

same preference made available to any resident vendor. Any non-resident small, women-owned, or minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to contract award to receive the preferences made available to resident vendors. Preference for a non-resident small, women-owned, or minority owned business shall be applied in accordance with W. Va. CSR § 148-22-9.

- 17. WAIVER OF MINOR IRREGULARITIES:** The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.6.

GENERAL TERMS AND CONDITIONS:

1. **CONTRACTUAL AGREEMENT:** Issuance of a Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.
2. **DEFINITIONS:** As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.
 - 2.1. **"Agency" or "Agencies"** means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.
 - 2.2. **"Contract"** means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.
 - 2.3. **"Director"** means the Director of the West Virginia Department of Administration, Purchasing Division.
 - 2.4. **"Purchasing Division"** means the West Virginia Department of Administration, Purchasing Division.
 - 2.5. **"Award Document"** means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.
 - 2.6. **"Solicitation"** means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.
 - 2.7. **"State"** means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.
 - 2.8. **"Vendor" or "Vendors"** means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. **CONTRACT TERM; RENEWAL; EXTENSION:** The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

☒ **Term Contract**

Initial Contract Term: This Contract becomes effective on Upon Award and extends for a period of One (1) year(s).

Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Renewal of this Contract is limited to Two (2) successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed 24 months in total. Automatic renewal of this Contract is prohibited. Notwithstanding the foregoing, Purchasing Division approval is not required on agency delegated or exempt purchases. Attorney General approval may be required for vendor terms and conditions.

Delivery Order Limitations: In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

- ☐ **Fixed Period Contract:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within _____ days.

- ☐ **Fixed Period Contract with Renewals:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within _____ days. Upon completion, the vendor agrees that maintenance, monitoring, or warranty services will be provided for one year thereafter with an additional _____ successive one year renewal periods or multiple renewal periods of less than one year provided that the multiple renewal periods do not exceed _____ months in total. Automatic renewal of this Contract is prohibited.

- ☐ **One Time Purchase:** The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

- ☐ **Other:** See attached.

4. **NOTICE TO PROCEED:** Vendor shall begin performance of this Contract immediately upon receiving notice to proceed unless otherwise instructed by the Agency. Unless otherwise specified, the fully executed Award Document will be considered notice to proceed.
5. **QUANTITIES:** The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.
- ☒ **Open End Contract:** Quantities listed in this Solicitation are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.
- ☐ **Service:** The scope of the service to be provided will be more clearly defined in the specifications included herewith.
- ☐ **Combined Service and Goods:** The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.
- ☐ **One Time Purchase:** This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.
6. **PRICING:** The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification.
7. **EMERGENCY PURCHASES:** The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute a breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.
8. **REQUIRED DOCUMENTS:** All of the items checked below must be provided to the Purchasing Division by the Vendor as specified below.

☐ **BID BOND:** All Vendors shall furnish a bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. The bid bond must be submitted with the bid.

☐ **PERFORMANCE BOND:** The apparent successful Vendor shall provide a performance bond in the amount of _____. The performance bond must be received by the Purchasing Division prior to Contract award. On construction contracts, the performance bond must be 100% of the Contract value.

☐ **LABOR/MATERIAL PAYMENT BOND:** The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be delivered to the Purchasing Division prior to Contract award.

In lieu of the Bid Bond, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of a bond must be of the same amount and delivered on the same schedule as the bond it replaces. A letter of credit submitted in lieu of a performance and labor/material payment bond will only be allowed for projects under \$100,000. Personal or business checks are not acceptable.

☐ **MAINTENANCE BOND:** The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award.

☐ **INSURANCE:** The apparent successful Vendor shall furnish proof of the following insurance prior to Contract award and shall list the state as a certificate holder:

☐ **Commercial General Liability Insurance:** In the amount of _____ or more.

☐ **Builders Risk Insurance:** In an amount equal to 100% of the amount of the Contract.

☐☐☐☐☐

The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether or not that insurance requirement is listed above.

- ☐ **LICENSE(S) / CERTIFICATIONS / PERMITS:** In addition to anything required under the Section entitled Licensing, of the General Terms and Conditions, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits prior to Contract award, in a form acceptable to the Purchasing Division.

☐☐☐☐

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications prior to Contract award regardless of whether or not that requirement is listed above.

9. **WORKERS' COMPENSATION INSURANCE:** The apparent successful Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.
10. **LITIGATION BOND:** The Director reserves the right to require any Vendor that files a protest of an award to submit a litigation bond in the amount equal to one percent of the lowest bid submitted or \$5,000, whichever is greater. The entire amount of the bond shall be forfeited if the hearing officer determines that the protest was filed for frivolous or improper purpose, including but not limited to, the purpose of harassing, causing unnecessary delay, or needless expense for the Agency. All litigation bonds shall be made payable to the Purchasing Division. In lieu of a bond, the protester may submit a cashier's check or certified check payable to the Purchasing Division. Cashier's or certified checks will be deposited with and held by the State Treasurer's office. If it is determined that the protest has not been filed for frivolous or improper purpose, the bond or deposit shall be returned in its entirety.
11. **LIQUIDATED DAMAGES:** Vendor shall pay liquidated damages in the amount of _____
for _____.
This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy.

- 12. ACCEPTANCE/REJECTION:** The State may accept or reject any bid in whole, or in part. Vendor's signature on its bid signifies acceptance of the terms and conditions contained in the Solicitation and Vendor agrees to be bound by the terms of the Contract, as reflected in the Award Document, upon receipt.
- 13. FUNDING:** This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available.
- 14. PAYMENT:** Payment in advance is prohibited under this Contract. Payment may only be made after the delivery and acceptance of goods or services. The Vendor shall submit invoices, in arrears.
- 15. TAXES:** The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 16. CANCELLATION:** The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-7.16.2.
- 17. TIME:** Time is of the essence with regard to all matters of time and performance in this Contract.
- 18. APPLICABLE LAW:** This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code or West Virginia Code of State Rules is void and of no effect.
- 19. COMPLIANCE:** Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable law.
- 20. PREVAILING WAGE:** On any contract for the construction of a public improvement, Vendor and any subcontractors utilized by Vendor shall pay a rate or rates of wages which shall not be less than the fair minimum rate or rates of wages (prevailing wage), as established by the West Virginia Division of Labor under West Virginia Code §§ 21-5A-1 et seq. and available at <http://www.sos.wv.gov/administrative-law/wagerates/Pages/default.aspx>. Vendor shall be responsible for ensuring compliance with

prevailing wage requirements and determining when prevailing wage requirements are applicable. The required contract provisions contained in West Virginia Code of State Rules § 42-7-3 are specifically incorporated herein by reference.

21. **ARBITRATION:** Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.
22. **MODIFICATIONS:** This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary, no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). No Change shall be implemented by the Vendor until such time as the Vendor receives an approved written change order from the Purchasing Division.
23. **WAIVER:** The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.
24. **SUBSEQUENT FORMS:** The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.
25. **ASSIGNMENT:** Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments. Notwithstanding the foregoing, Purchasing Division approval may or may not be required on certain agency delegated or exempt purchases.
26. **WARRANTY:** The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.
27. **STATE EMPLOYEES:** State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.
28. **BANKRUPTCY:** In the event the Vendor files for bankruptcy protection, the State of West Virginia may deem this Contract null and void, and terminate this Contract without notice.

29. CONFIDENTIALITY: The Vendor agrees that it 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/default.html>.

30. DISCLOSURE: Vendor's response to the Solicitation and the resulting Contract are considered public documents and will be disclosed to the public in accordance with the laws, rules, and policies governing the West Virginia Purchasing Division. Those laws include, but are not limited to, the Freedom of Information Act found in West Virginia Code §§ 29B-1-1 et seq. and the competitive bidding laws found West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq.

If a Vendor considers any part of its bid to be exempt from public disclosure, Vendor must so indicate by specifically identifying the exempt information, identifying the exemption that applies, providing a detailed justification for the exemption, segregating the exempt information from the general bid information, and submitting the exempt information as part of its bid but in a segregated and clearly identifiable format. Failure to comply with the foregoing requirements will result in public disclosure of the Vendor's bid without further notice. A Vendor's act of marking all or nearly all of its bid as exempt is not sufficient to avoid disclosure and WILL NOT BE HONORED. Vendor's act of marking a bid or any part thereof as "confidential" or "proprietary" is not sufficient to avoid disclosure and WILL NOT BE HONORED. A legend or other statement indicating that all or substantially all of the bid is exempt from disclosure is not sufficient to avoid disclosure and WILL NOT BE HONORED. Additionally, pricing or cost information will not be considered exempt from disclosure and requests to withhold publication of pricing or cost information WILL NOT BE HONORED.

Vendor will be required to defend any claimed exemption for nondisclosure in the event of an administrative or judicial challenge to the State's nondisclosure. Vendor must indemnify the State for any costs incurred related to any exemptions claimed by Vendor. Any questions regarding the applicability of the various public records laws should be addressed to your own legal counsel prior to bid submission.

31. LICENSING: In accordance with West Virginia Code of State Rules §148-1-6.1.7, Vendor 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, West Virginia Insurance Commission, or any other state agency or political subdivision. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

- 32. ANTITRUST:** In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to 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 Vendor.
- 33. VENDOR CERTIFICATIONS:** By signing its bid or entering into this Contract, Vendor certifies (1) that its bid or offer was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid or offer for the same material, supplies, equipment or services; (2) that its bid or offer is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this Solicitation in its entirety; understands the requirements, terms and conditions, and other information contained herein. Vendor's signature on its bid or offer also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency. The individual signing this bid or offer on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or offer or any documents related thereto on Vendor's behalf; that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.
- 34. PURCHASING CARD ACCEPTANCE:** The State of West Virginia currently utilizes a Purchasing Card program, administered under contract by a banking institution, to process payment for goods and services. The Vendor must accept the State of West Virginia's Purchasing Card for payment of all orders under this Contract unless the box below is checked.
- ☐ Vendor is not required to accept the State of West Virginia's Purchasing Card as payment for all goods and services.
- 35. VENDOR RELATIONSHIP:** The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but

not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing. Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

- 36. INDEMNIFICATION:** The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.
- 37. PURCHASING AFFIDAVIT:** In accordance with West Virginia Code § 5A-3-10a, all Vendors are required to sign, notarize, and submit the Purchasing Affidavit stating that neither the Vendor nor a related party owe a debt to the State in excess of \$1,000. The affidavit must be submitted prior to award, but should be submitted with the Vendor's bid. A copy of the Purchasing Affidavit is included herewith.
- 38. ADDITIONAL AGENCY AND LOCAL GOVERNMENT USE:** This Contract may be utilized by and extends to other agencies, spending units, and political subdivisions of the State of West Virginia; county, municipal, and other local government bodies; and school districts ("Other Government Entities"). This Contract shall be extended to the aforementioned Other Government Entities on the same prices, terms, and conditions as those offered and agreed to in this Contract. If the Vendor does not wish to extend the prices, terms, and conditions of its bid and subsequent contract to the Other Government Entities, the Vendor must clearly indicate such refusal in its bid. A refusal to extend this Contract to the Other Government Entities shall not impact or influence the award of this Contract in any manner.
- 39. CONFLICT OF INTEREST:** Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.
- 40. REPORTS:** Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:
- ☒ Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

- ☐ Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at purchasing.requisitions@wv.gov.

41. BACKGROUND CHECK: In accordance with W. Va. Code § 15-2D-3, the Director of the Division of Protective Services shall require any service provider whose employees are regularly employed on the grounds or in the buildings of the Capitol complex or who have access to sensitive or critical information to submit to a fingerprint-based state and federal background inquiry through the state repository. The service provider is responsible for any costs associated with the fingerprint-based state and federal background inquiry.

After the contract for such services has been approved, but before any such employees are permitted to be on the grounds or in the buildings of the Capitol complex or have access to sensitive or critical information, the service provider shall submit a list of all persons who will be physically present and working at the Capitol complex to the Director of the Division of Protective Services for purposes of verifying compliance with this provision.

The State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check.

Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

42. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS: Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

- a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.
- b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open hearth, basic oxygen, electric furnace, Bessemer or other steel making process. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:
- c. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater.

For the purposes of this section, the cost is the value of the steel product as delivered to the project; or

- d. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

43. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a "substantial labor surplus area", as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products.

This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

CERTIFICATION AND SIGNATURE PAGE

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Surveillance video

(Company)

Howard Geschwind, Director
(Authorized Signature) (Representative Name, Title)

800-955-5201 631-737-1730 10/8/2014
(Phone Number) (Fax Number) (Date)

REQUEST FOR QUOTATION
Surveillance Cameras, DVR's & Equipment

SPECIFICATIONS

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of WV Division of Juvenile Services to establish an Open-End contract for Surveillance Cameras, DVR's & Equipment.
2. **DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.
 - 2.1 **"Contract Item" or "Contract Items"** means the list of items identified in Section 3, below.
 - 2.2 **"Pricing"** means the unit price and extended amount inserted on the commodity lines.
 - 2.3 **"RFQ"** means the official request for quotation published by the Purchasing Division.
3. **GENERAL REQUIREMENTS:**
 - 3.1 **Contract Items and Mandatory Requirements:** Vendor shall provide Agency with the Contract Items listed below on an open-end and continuing basis. Contract Items must meet or exceed the mandatory requirements as shown below.
 - 3.1.1 All Equipment & materials used shall be standard components that are regularly manufactured and used in the manufacturers system. DVR system must be compatible with the following existing cameras: ARM C540MDVAI, C540MDVAIDNIR and C520BCDNVFIR, LTC045521, WV-CF224EX and Bosch LTC Series. DJS already uses some of the equipment contained in this RFQ.
 - 3.1.2 All equipment and components shall have been thoroughly tested and proven in actual use.
 - 3.1.3 All systems and components shall be provided with the availability of a toll-free, 24-hour technical assistance program (TAP) from the manufacturer. The tap shall allow for immediate technical assistance

REQUEST FOR QUOTATION
Surveillance Cameras, DVR's & Equipment

for either the dealer/installer or the end user at no charge for as long as the product is installed.

- 3.1.4** All systems and components shall be provided with a three (3)-day turnaround repair express and 72-hr parts replacement. Vendor will have 72hrs 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.
- 3.1.5** The successful bidder shall warrant the functional operation of all procured equipment for three (3) years after date of acceptance.

3.2 DIGITAL VIDEO RECORDER

- 3.2.1** The Digital Video Recorder shall be a combination of a database server and video acquisition unit that captures up to 480 ips (NTSC) 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.
- 3.2.2** The Digital Video Recorder shall support up to 16 IP cameras in a hybrid configuration and up to 4 channels of video analytics. The recorder shall be HD-enabled, capable of recording and displaying high-quality images captured by IP cameras with HD technology.
- 3.2.3** 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.
- 3.2.4** The Digital Video Recorder shall use redundant power supplies to eliminate the power supply as a single point of failure.
- 3.2.5** The DVR 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.

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Surveillance Cameras, DVR's & Equipment

The DVR 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.

- 3.2.6** All video shall be digitally signed before being written to the hard disk drives. Video authentication shall be verified on the system before being played back with the Digital video player.
- 3.2.7** All Digital Video recorders shall run the same software allowing users to monitor video, audio and transactional data from the client user interface.
- 3.2.8** 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- in, first-out order or by time. At the time of an alarm, the event-based pre-recording mode 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, 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 name, image time and/or date shall be overlaid on video on the user interface. Camera names shall be up to 32 characters in length.
- 3.2.9** 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 inputs.
 - 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 IP cameras with HD technology.

REQUEST FOR QUOTATION
Surveillance Cameras, DVR's & Equipment

- 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, and RS-485.
- The Digital Video Management System shall have 16 dry contact alarm inputs.
- The Digital Video Management System shall include Control Point Client User Interface for remote access and management of the system.

3.2.10 POWER SPECIFICATIONS

- | | |
|--------------------------------|-----------------------------|
| A. Power Input- | 100 to 240 VAC, 50/60 Hz |
| B. Power Consumption-
BTU/H | 115 VAC 335 W, 2.95 A, 1143 |

3.2.11 ENVIRONMENTAL SPECIFICATIONS

- | | |
|------------------------------|--|
| A. Operating temperature | 50° to 95°F at unit air intake |
| B. Operating Humidity | 20% to 80%, non-condensing |
| C. Maximum Humidity Gradient | 10% per hour |
| D. Operating Altitude | -50ft. to 10,000 ft. |
| E. Operating Vibration | 0.25 G at 3 Hz to 200 Hz at a
sweep rate of 0.5 octave/min. |

3.2.12 CERTIFICATIONS

- | | |
|----|--------------|
| A. | CE, Class A |
| B. | FCC, Class A |
| C. | UL Listed |

3.2.13 PRODUCTS- Provide unit pricing for the following Video Digital Recorders including Control Point Software:

1. **Pelco Model 35401V1C2DOS 16 Channel, 500GB, 120 IPS or Equal.**

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Surveillance Cameras, DVR's & Equipment**

2. **Pelco Model 35401V2C4DOS 32 Channel, 1 TB, 240 IPS or Equal.**
3. **Pelco Model 35401V4C5DOS 64 Channel, 1 TB, 480 IPS or Equal.**
4. **Pelco Model ENC5416 16-channel Encoder or equal.**
5. **Pelco Model ENC5400 4-port Translator cards.**

3.3 MICROPROCESSOR-BASED, CROSS POINT VIDEO MATRIX SWITCHING SYSTEM

- 3.3.1 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 alerts, 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.
- 3.3.2 The system shall be configured for a maximum of 48 video inputs, 8 video outputs, and up to 18 keyboard controllers. Forty of the video inputs shall provide looping BNC jacks and individual termination switches on the back panel of the unit.
- 3.3.3 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.
- 3.3.4 The CPU/Controller shall meet or exceed the following design and performance specifications:
 - The matrix switcher/controller shall utilize an embedded microprocessor running a real time operating system.

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- The matrix switcher/controller shall include a bit-mapped character generator for each analog output, which displays system status and programming in NTSC/PAL formats.
- The matrix switcher/controller shall include a Windows® based software management system that speeds system setup; enables system users to program the switchers remotely; allows for external storage of all set up items in the switcher; and logs system activity, including events and alarms.
- 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 event timers to activate sequences or macros automatically.
- The matrix/switcher controller shall use flash 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 on/off 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 I/O 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 or 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 CPU/Controller's RS-422 communication ports.
- The matrix switcher/controller shall provide two auxiliary relay outputs rated at 0.5 amp @ 125 VAC, 1 amp @ 30 VDC, 60 milliohms contact

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- D. Horizontal Frequency: 31 to 69 kHz
- E. Vertical Frequency 56 to 85 Hz
- F. Sync Format NTSC/PAL

3.4.2 ENVIRONMENTAL SPECIFICATIONS

- A. Operating Temperature 32° to 104°F (0° to 40°C)
- B. Operating Humidity 20% to 80%, non condensing

3.4.3 GENERAL SPECIFICATIONS

- A. Native Resolution 1366x768 WXGA
- B. Panel Aspect Ratio 16:9
- C. Viewing Area
 - 1. 26" 576 x 324 mm
 - 2. 32" 698 x 461 mm
 - 3. 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

3.4.4 CERTIFICATIONS

- A. CE, Class A
- B. FCC, Class A
- C. TUV Listed
- D. C-Tick
- E. UL/cUL listed

3.4.5 PRODUCTS

Provide Unit Pricing for the Following LCD Monitors:

- 9. Pelco Model PMCL526A 26" Flat Screen Monitor or Equal**
- 10. Pelco Model PMCL532A 32" Flat Screen Monitor or Equal**
- 11. Pelco Model PMCL542F 42" Flat Screen Monitor or Equal**
- 12. Tilt Wall Mount bracket for Monitors**

3.5 WALL MOUNT LOCK BOX WITH POWER SUPPLY

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A. The Wall or Desk mounted Lock Box shall provide a secure housing for the Recorders, Matrix Switches, Multiplexers, Storage, and Power Supply. The Box shall have two keyed locks on the front door to prevent unauthorized entry. Panels with tamper-resistant screws in the top and sides of the Lock Box shall permit access for wiring

B. The power supply shall occupy one rack unit (1 RU) and shall provide power for a minimum of eight devices. The power supply shall allow for indoor use, and it shall plug into any 120 VAC duplex wall receptacle having a center screw. 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.

3.5.1 ELECTRICAL SPECIFICATIONS POWER SUPPLY

- | | |
|------------------------|---|
| A. Input Voltage | 115 VAC 60Hz or 230 VAC 50Hz ($\pm 10\%$), selectable |
| B. Output Voltage | 26 VAC |
| C. Output Current | 20 Amp maximum |
| D. Overload Protection | External Fuses for 8,16, 32 Output |
| E. Input Connectors | 115 VAC 60Hz or 230 VAC 50Hz ($\pm 10\%$) selectable |
| F. Output Connectors | 2 screw terminals |

3.5.2 PHYSICAL SPECIFICATIONS

- | | |
|-----------------|------------------------------|
| A. Construction | Steel |
| B. Finish | Rust resistant enamel finish |
| C. Environment | Indoor |

3.5.3 CERTIFICATION SPECIFICATIONS

- A. UL Listed

3.5.4 PRODUCTS

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

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13. Pelco Model LB3000 Wall Lock Box or Equal

14. Altronix Model R2416300UL 16 -Out Fused 10 Amp Power Supply or Equal

15. Altronix Model R2432600UL 32-Out Fused 20 Amp Power Supply or Equal

3.6 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 versatile 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 dome 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 lens options, including a clear or smoked bubble lower dome.
- E. The indoor/outdoor fixed mini dome camera system shall meet or exceed the following design and performance specifications.

3.6.1 ELECTRICAL SPECIFICATIONS

- A. Connectors
 - 1 composite BNC
 - 1 UTP
- B. Input Voltage
 - 12 VDC or 24 VAC ($\pm 10\%$), autosensing
- C. Power Consumption
 - 1. Wide Dynamic <3 W maximum
 - 2. Day / Night <4 W maximum
 - 3. Heaters 10 W when active; thermostatically controlled

3.6.2 VIDEO SPECIFICATIONS

- A. Imaging Device
 - 1. Wide Dynamic 1/3-inch pixel based imager
 - 2. Day / Night 1/3-inch imager
- B. Signal System
 - NTSC or PAL
- C. Video Output
 - 1. Composite 1 Vp-p, 75 ohms
 - 2. UTP 1 Vp- 100 ohms
- D. Picture Elements

	<u>NTS</u>	<u>PAL</u>
1. Wide Dynamic	720 (H) x 540 (V)	720 (H) x 540 (V)
2. Day/Night	768 (H) x 494 (V)	752 (H) x 582 (V)

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- E. Dynamic Range 102 dB typical/120 dB maximum (CW/DW models)
- F. Scanning System 2:1 interlace (progressive option for CW/DW)
- G. Synchronization Internal
- H. Electronic Shutter Range
- 1. Wide Dynamic Auto (1/15 to 1/22,000)
 - 2. Day / Night Auto (1/60 to 1/100,000)
- I. 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
- 1. Iris Varifocal
 - 2. Focus Auto (DC-drive)
 - 3. Zoom Manual

3.6.3 CAMERA SPECIFICATIONS

- A. Horizontal Resolution
- 1. Wide Dynamic 504 TV lines
 - 2. Day / Night 540 TV lines
- C. Minimum Illumination
- 1. Wide Dynamic Color: 0.8 lux, SEN 8X: 0.2 lux
B-W: 0.08 lux, SEN 8X: 0.02 lux
(f/1.0, 40 IRE, AGC on, 75% scene reflectance)
 - 2. Day / Night Color: 0.15 lux at full frame rate
B-W: 0.015 lux at full frame rate
(f/1.0, 40 IRE, AGC on, 75% scene reflectance)

3.6.4 ENVIRONMENTAL SPECIFICATIONS

- A. Environment: Low temperature, indoor/outdoor
- B. Operating Temperature: -50°F to 122°F (-45°C to 50°C); de-ices to 25°F (-4°C)
- C. Thermostat Operation: Heater is thermostatically controlled to activate ON at SOT (10°C) and OFF at 80°F (27°C)

3.6.5 MECHANICAL SPECIFICATIONS

- A. Pan/Tilt Adjustment Manual
- 1. Pan 360°
 - 2. Tilt 140° (20° to 160° range)
 - 3. Rotation 360°

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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 pre-programming 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 matrix switcher/controller shall be capable of 32 macros, each capable of 72 steps.
- The matrix switcher/controller shall accept ASCII data, allowing for direct communication with external equipment, such as computer-based access control, fire, burglar, and PLC systems, to activate alarms, to select cameras, and to activate preset positions, auxiliaries, and macros. The matrix must be capable of generating an ASCII output of all alarm events as they occur.
- The matrix switcher/controller shall provide a video bandwidth of 15 MHz, a flat frequency response to 8 MHz and ± 1 dB to 13 MHz, and a signal-to-noise ratio of -50 dB with adjacent channel crosstalk limit of -55 dB typical at 3.58 MHz
- The matrix switcher/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 EIA 19-inch rack.
- The matrix switcher/controller shall measure 5.25 (H) x 17.4 (W) x 12.25 (D) inches (13.34 x 44.20 x 31.12 cm).

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

3.3.6 ELECTRICAL SPECIFICATIONS

A. Input Voltage 120/230 VAC, 50/60 Hz

3.3.7 ENVIRONMENTAL SPECIFICATIONS

A. Operating Temperature 20° to 120°F (-7° to 49°C)

B. Operating Humidity 10% to 90%, non condensing

3.3.8 CERTIFICATIONS

- A. CE, Class B
- B. FCC, Class A
- E. UL/cUL listed

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- B. Light attenuation f/1.5 light loss, smoked bubble
Zero light loss, clear bubble

3.6.6 PHYSICAL SPECIFICATIONS

- A. Construction Durable corrosion resistant camera mounting
bracket and polycarbonate dome
- B. Finish Rust resistant finish

3.6.7 CERTIFICATIONS

- A. CE, Class B
B. UL Listed

3.6.8 PRODUCTS

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

16. Pelco Model IS50DNV10S Day / Night Camera 3-9mm Lens or Equal
17. Pelco Model IS50DWSV85 Wide Dynamic Range Camera 3-9mm Lens or Equal
18. Pelco Model IS50DNV10S Combo D/N, WDR Camera 3-9mm Lens or Equal
19. Pelco Model IM10C10-1 Indoor Fixed Dome Camera. 2.8-10mm Lens or Equal
20. Pelco Model IS20CHV10S Indoor Fixed Mini- Dome Camera 3-9.5mm Lens or Equal

3.7 COLOR VARI-FOCAL INFRARED BULLET CAMERA

3.7.1 ELECTRICAL SPECIFICATIONS

- A. Input Voltage 12 VDC or 24 VAC ($\pm 10\%$), autosensing
- B. Connectors 1 composite BNC
1 UTP

3.7.2 VIDEO SPECIFICATIONS

- A. Signal System NTSC or PAL
- B. Video Output Composite 1 Vp-p, 75 ohms
1 UTP 1 Vp-p, 100 ohms
- C. Lens Type

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- 1. Wide Dynamic (WDR) Varifocal with auto iris
- 2. Day / Night (DN) Varifocal with auto iris

3.7.3 CAMERA SPECIFICATIONS

- A. Horizontal Resolution
 - 1. High Resolution 504 TV lines
 - 2. Day / Night 540 TV lines

3.7.4 ENVIRONMENTAL SPECIFICATIONS

- A. Environment Indoor/Outdoor
- B. Operating temperature: -50°F to 122°F

3.7.5 MECHANICAL SPECIFICATIONS

- A. Pan/Tilt/Adjustment
 - Manual 180° pan; 180° tilt

3.7.6 PHYSICAL SPECIFICATIONS

- A. Construction Durable corrosion resistant camera mounting bracket and polycarbonate Dome
- B. Finish Rust resistant finish

3.7.7 PRODUCTS

- 21. Pelco Model IS500WSV8S Indoor/Outdoor Vari-Focal Infrared Bullet Camera 3- 9.5mm Lens or Equal

3.8 DIGITAL VARIFOCAL COLOR CAMERA

3.8.1 ELECTRICAL SPECIFICATIONS

- A. Power Requirements 18-30 VAC or 10-36 VDC
- B. Power Connector 2-pin terminal strip-push in type
- C. Video Connector BNC

3.8.2 VIDEO SPECIFICATIONS

- A. Signal System NTSC
- B. Video Output 1 Vp-p, 75 ohms

3.8.3 CAMERA SPECIFICATIONS

- ### 3.8.4 ENVIRONMENTAL SPECIFICATIONS

- ### 3.8.5- PRODUCTS

23. Pelco Model C3751H-2V2I Indoor Vari-Focal Digital Camera 2.8-12mm Lens or Equal.

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

- Revised 6/09/2014

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- Speeds in Proportion to Depth of Zoom
- Configurable Limit Stops for Auto / Random / Frame Scan Modes
- Built-in 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.

3.9.1 ELECTRICAL SPECIFICATIONS

- | | |
|-------------------|--|
| A. Connectors | 2 composite BNC |
| B. Input Voltage | 12 to 32 VAC ($\pm 10\%$), autosensing |
| C. Input Power | |
| 1. Without Heater | 23 VA nominal |
| 2. With Heater | 73 VA nominal |
| 3. Fuse | 1.25 amp |

3.9.2 CAMERA / OPTICS

- | | |
|----------------------------------|---|
| A. Signal Format | |
| 1. NTSC | |
| 2. PAL | |
| B. Image Sensor | |
| 1. Effective Pixels | 1/4-inch progressive scan CCD |
| 2. NTSC | 768 (H) x 494 (V) |
| 3. PAL | 752 (H) x 582 (V) |
| C. Horizontal Resolution | |
| 1. NTSC/PAS | 540 TV Lines |
| D. Lens | f/1.6 (focal length, 3.6 – 82.8 mm) |
| E. Zoom | 23x optical, 12x digital |
| F. Zoom Speed | 2.9 / 4.2 / 5.8 seconds |
| G. Maximum Sensitivity at 35 IRE | |
| 1. NTSC/EIA | 0.65 lux at 1/60 sec color |
| 2. PAL/CCIR | 0.55 lux at 1/50 sec color |
| H. Horizontal Angle of View | 54 Deg. At 3.6 mm / 2.5 Deg. At 82.8 mm |
| I. Focus | Automatic with manual override |
| J. White Balance | Automatic with manual override |
| K. Iris Control | Automatic Iris control with manual override |

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- L. Gain Control Automatic / Off
- M. Video Output Vp-p, 75 ohms
- N. Video Signal-to-Noise >59 db

3.9.3 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)

3.9.4 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. Tilt 0.1 Deg. To 40 Deg. / sec. manual operation
- D. Preset Speeds Pan: 400 Deg. / sec. Tilt: 200 Deg. / sec.

3.9.5 PHYSICAL SPECIFICATIONS

- A. Construction Durable corrosion resistant camera mounting
 bracket and Acrylic Bubble

3.9.6 CERTIFICATIONS

- A. CE, Class B
- B. FCC, Class B
- C. UL/cUL Listed
- D. C-Tick
- E. NEMA Type 4X and IP66 standards
- F. NEMA Type 1, IP40

3.9.7 PRODUCTS

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

24. Pelco Model SD427-PG-E1 23x PTZ Camera or Equal

25. Pelco Model SD435-PG-E1 35x D/N PTZ Camera or Equal

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3.11 FACILITIES LIST: Below is a list of DJS Facilities that will utilize this contract.

1. Lorrie Yeager Juvenile Center, 907 Mission Drive,
Parkersburg, WV 26101 Phone: (304) 420-4860
2. Robert Shell Juvenile Center, 2 O'Hanlon Place,
Barboursville, WV 25504 Phone: (304) 733-0870
3. James H. "Tiger" Morton Juvenile Center, 60 Manfred Holland Way,
Dunbar, WV 25064 Phone:(304) 675-0860
4. Donald R. Kuhn Juvenile Detention Center, One Lory Place,
Julian, WV Phone (304) 369-2976
5. Vicki V. Douglas Juvenile Center, 900 Emmett Rousch Dr,
Martinsburg, WV 25401 Phone (304) 267-0164
6. Sam Perdue Juvenile Detention Center, 843 Shelter Rd.,
Princeton, WV 24739 Phone (304) -425-9721
7. Gene Spadaro Juvenile Center, 106 Martin Drive,
Mt. Hope, WV 25880 Phone (304) 877-6890
8. J.M. "Chick" Buckbee Juvenile Center, One Jerry Lane,
Augusta, WV 26704 Phone (304)-496-1341
9. Kenneth "Honey" Rubenstein Center, 141 Forestry Camp Rd.
Davis, WV 26260 Phone (304) 259-5241

4. CONTRACT AWARD:

- 4.1 Contract Award:** The Contract is intended to provide Agencies with a purchase price on all Contract Items. The Contract shall be awarded to the Vendor that provides the Contract Items meeting the required specifications

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for the lowest overall total cost.

- 4.2 Pricing:** Vendor should insert the unit price on the commodity lines and multiply the unit price by the estimated quantities shown for that item. Vendor should complete the commodity lines in their entirety as failure to do so may result in Vendor's bids being disqualified.

The Commodity Lines contain a list of the Contract Items and estimated purchase volume. The estimated purchase volume for each item represents the approximate volume of anticipated purchases only. No future use of the Contract or any individual item is guaranteed or implied.

5. ORDERING AND PAYMENT:

- 5.1 Ordering:** Vendor shall accept orders by regular mail, facsimile, e-mail, or any other written forms of communication. Vendor may, but is not required to, accept on-line orders through a secure internet ordering portal/website. If Vendor has the ability to accept on-line orders, it should include in its response a brief description of how Agencies may utilize the on-line ordering system. Any on-line ordering system must have the capability to restrict prices and available items to conform to the Catalog originally submitted with this RFQ. Vendor shall ensure that its on-line ordering system is properly secured prior to processing Agency orders on-line.

- 5.2 Payment:** Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia.

6. DELIVERY AND RETURN:

- 6.1 Delivery Time:** Vendor shall deliver standard orders within fourteen (14) working days after orders are received. Vendor shall deliver emergency orders within seven (7) working day(s) after orders are received. Vendor shall ship all orders in accordance with the above schedule and shall not hold orders until a minimum delivery quantity is met.

- 6.2 Late Delivery:** The Agency placing the order under this Contract must be notified

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in writing if orders will be delayed for any reason. Any delay in delivery that could cause harm to an Agency will be grounds for cancellation of the delayed order, and/or obtaining the items ordered from a third party.

Any Agency seeking to obtain items from a third party under this provision must first obtain approval of the Purchasing Division.

6.3 Delivery Payment/Risk of Loss: Standard order delivery shall be F.O.B. destination to the Agency's location. Vendor shall include the cost of standard order delivery charges in its bid pricing/discount and is not permitted to charge the Agency separately for such delivery. The Agency will pay delivery charges on all emergency orders provided that Vendor invoices those delivery costs as a separate charge with the original freight bill attached to the invoice.

6.4 Return of Unacceptable Items: If the Agency deems the Contract Items to be unacceptable, the Contract Items shall be returned to Vendor at Vendor's expense and with no restocking charge. Vendor shall either make arrangements for the return within five (5) days of being notified that items are unacceptable, or permit the Agency to arrange for the return and reimburse Agency for delivery expenses. If the original packaging cannot be utilized for the return, Vendor will supply the Agency with appropriate return packaging upon request. All returns of unacceptable items shall be F.O.B. the Agency's location. The returned product shall either be replaced, or the Agency shall receive a full credit or refund for the purchase price, at the Agency's discretion.

6.5 Return Due to Agency Error: Items ordered in error by the Agency will be returned for credit within 30 days of receipt, F.O.B. Vendor's location. Vendor shall not charge a restocking fee if returned products are in a resalable condition. Items shall be deemed to be in a resalable condition if they are unused and in the original packaging. Any restocking fee for items not in a resalable condition shall be the lower of the Vendor's customary restocking fee or 5% of the total invoiced value of the returned items.

7. VENDOR DEFAULT:

7.1 The following shall be considered a vendor default under this Contract.

7.1.1 Failure to provide Contract Items in accordance with the requirements

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contained herein.

7.1.2 Failure to comply with other specifications and requirements contained herein.

7.1.3 Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.

7.1.4 Failure to remedy deficient performance upon request.

7.2 The following remedies shall be available to Agency upon default.

7.2.1 Immediate cancellation of the Contract.

7.2.2 Immediate cancellation of one or more release orders issued under this Contract.

7.2.3 Any other remedies available in law or equity.

8. MISCELLANEOUS:

8.1 No Substitutions: Vendor shall supply only Contract Items submitted in response to the RFQ unless a contract modification is approved in accordance with the provisions contained in this Contract.

8.2 Vendor Supply: Vendor must carry sufficient inventory of the Contract Items being offered to fulfill its obligations under this Contract. By signing its bid, Vendor certifies that it can supply the Contract Items contained in its bid response.

8.3 Reports: Vendor shall provide quarterly reports and annual summaries to the Agency showing the Agency's items purchased, quantities of items purchased, and total dollar value of the items purchased. Vendor shall also provide reports, upon request, showing the items purchased during the term of this Contract, the quantity purchased for each of those items, and the total value of purchases for each of those items. Failure to supply such reports may be grounds for cancellation of this Contract.

8.4 Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing

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Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Howard Geschwind
Telephone Number: 800-955-5201
Fax Number: 631-737-1730
Email Address: howard@surveillance-video.com



Ordering Information

NTSC Models

KPC-VNS302NUV10 2.8~11mm VF

Resolution 960

 KPC-VNS302NUV10

Resolution 960 Series 750+IR
Varifocal 3-Axis Dual Voltage
IP66 Vandal Dome Camera



Resolution 960

KPC-VNS302NUV10

Resolution 960 Series 750+IR Varifocal 3-Axis Dual Voltage IP66 Vandal Dome Camera



Key Features

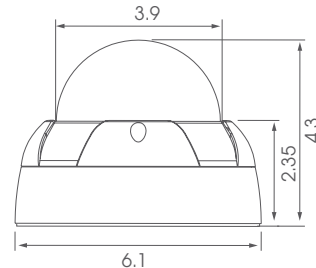
- Superlative resolution of over 750 horizontal TV lines for amazing image quality
- 960H CCD sensor with high IR sensitivity
- True Day/Night zero light operating range of 100 feet or more from 30 IR LEDs (depending on scene reflectivity)
- Simple and easy to use OSD setup menu
 - Digital Wide Dynamic Range to properly expose images despite unbalanced lighting in the scene
 - Anti Color Roll white balance option resists fluorescent light interference
 - Optional Back Light Compensation (BLC) and Highlight Compensation (HLC)
 - Adjustable 2D-Noise Reduction to increase picture clarity and improve utilization of DVR disk storage
 - Privacy image masking for 4 configurable zones
- 2.8~11mm Aspheric Varifocal DC iris lens to capture the desired field of view
- Dual voltage (12VDC/24VAC) with Anti Color Roll
- IP66 weather resistant
- Extreme Operating temperature down to -40 degrees
- Service Video output for convenient installation, and ease of service
- 3-Axis gimbal for convenient wall or ceiling mounting
- Optional wall mount arm (WM100)

Wall-Mount Bracket Option Available

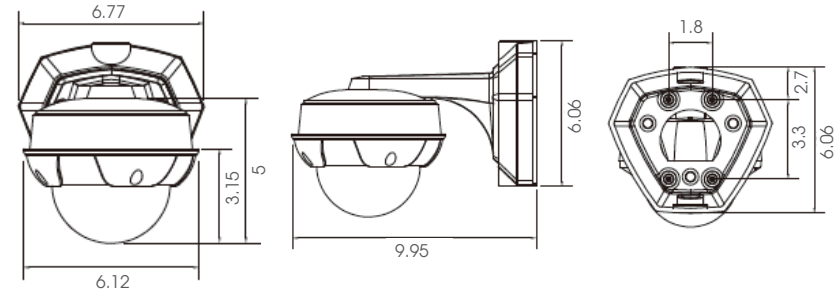
KA-WM100 Wall Mounting
Bracket with 1/2" conduit
fittings top and bottom.



Dimension (Unit: inch)



Optional Accessories (Unit: inch)



Technical Specification

Imaging Device	1/3" 960H High Sensitivity CCD
Video Format	NTSC
Picture Elements	NTSC: 1020(H)x508(V)
Effective Picture Elements	NTSC: 976(H) x 494(V)
Horizontal Resolution	More than 750 TVL
Sensitivity	0.09 lux color/F1.2; 0.08lux BW (LED Off) 0 lux with IR
IR LED	30, 850nm
IR Range	100'
S/N Ratio	Over 50dB (AGC off)
Video Output	BNC 1.0V p-p 75Ω; video test point inside dome, cable supplied
Gamma Correction	0.45
Lens Type	Aspheric Varifocal DC Iris 2.8~11mm F=1.6
Lens Positioning	3-axis flexible positioning for wall or ceiling mounting
Back Light Compensation	OFF/BLC/HLC Selectable
Auto Gain Control	Off/Low/Middle/High
Electronic Shutter	Auto: or 1/60, FLK, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/5000, 1/10000, 1/100000
White Balance	ATW/AWB/AWC->SET/Anti-Color Roll/Manual
Sync. Mode	Internal (plus Anti-Chroma Crawl White Balance option above)
Day & Night	Auto True D/N with motorized ICR: controlled by photo sensor
OSD Menu	Multiple functions using 3-axis joystick
OSD Languages	English, Spanish, Portuguese, German, Russian, Japanese, Chinese, French
2D-DNR	On/Off (Level Adjustable)
Digital Wide Dynamic Range	On/Off (Level Adjustable)
Mirror	Off/On
Motion Detection	Off/On for 4 selectable zones (On screen indication)
Privacy Mask	Off/On for 8 selectable zones
Lens Shading Correction	Off/On with adjustable level and center
Other OSD Functions	Camera Title with position, Font Color, Image Contrast/Sharpness, CRT/LCD display optimization, Negative Image
Power Source	12V DC / 24V AC
Power Consumption	12VDC:150mA max. / 24VAC:2.3W max.
Operating Temperature	-40 °F ~ 140 °F (-40 °C ~ 60 °C)
Environmental	IP66 (Weather Resistant)
Mechanical	Vandal proof dome
Dimensions	5.92"(150.5mm) dia. x 4.27"(108.5mm) high
Weight	1.92 lb. (869g)
Mounting Options	Direct ceiling or wall mount (3-axis positioning) Optional wall mount arm (WM100)
Certifications	CE / FCC / RoHS

Digital Sentry® DSSRV Network Video Recorder

H.264 CAPABILITY, FULLY SCALABLE HARDWARE/SOFTWARE SOLUTION

Product Features

- 280 Mbps to support IP and analog video
- Supports up to 128 IP Camera Streams; up to 64 Analog Cameras*
- Optimized to Support Pre-Installed DS NVs Software
- Records H.264, MJPEG, and MPEG-4 IP Streams
- Supports Pelco and Third-Party IP Cameras and Network Encoders
- Expandable by Networking an Unlimited Number of Servers and Encoders (Dependent on Available Network Bandwidth)
- Compatible with DS ControlPoint for Simultaneous Monitoring of All DS Series and DX Series Products in a Single Client Interface
- Network Health and Event Monitoring Support Through Simple Network Management Protocol (SNMP) and New Digital Sentry® System Information (DSSI) Utility

OPTIMIZED FOR VIDEO SURVEILLANCE

The **Digital Sentry® Network Video Recorder (DSSRV NVR)** is optimized by Pelco to deliver the essential hardware support for the DS NVs video management software (VMS) without the extra cost or risk of integrating hardware and software.

Boosted by the 2nd Generation Intel® Core™ i7 processor and 8 GB of RAM, **DSSRV NVR** provides an optimal combination of processing power and reliability to meet the demands of HD video recording and playback operations. The system is powered to support up to 128 combined IP and analog video streams, with up to 64 analog cameras supported via the optional ENC5416 direct-attached encoder. Analog streams are also supported using Pelco and third-party encoders.

The **DSSRV NVR** delivers total available throughput of 280 Mbps for recording of analog and IP video streams as well as playback and export through the DS ControlPoint client. When determining the maximum number of cameras and the desired frame rate to host on each system, the number of concurrent client connections, the number of streams likely to be viewed in playback on each client, and the bandwidth required to support the client connections must be taken into consideration.

The **DSSRV NVR** functions as a stand-alone system or as part of a network of servers, monitored from the DS ControlPoint user interface. The system can be deployed solely as a network video recorder, as a digital video recorder (DVR), or as a hybrid NVR.



- Compatible with the DS Archive Utility
- Recording Rate Configurable per Individual Camera

Two gigabit network ports provide for convenient network architecture planning by allowing one port to be dedicated to IP cameras, while the second network port is used for client connections. Two DVI-D ports provide a convenient connection for high resolution digital monitors for use with HD cameras.

RELIABILITY

With front-available drives for easy servicing and upgrades, the **DSSRV NVR** is available with up to 18 TB for models without the optional optical disk drive (ODD), or up to 12 TB for ODD models. The drives are hot-swappable when configured for internal RAID 5 storage with the optional RAID 5 controller card. A minimum of three drives is required for a RAID 5 configuration. External storage is supported through USB attached storage or by using the optional DSSRV-SCSI interface card to connect to external SCSI storage targets such as the DX8100HDDI, providing additional storage of up to 24 TB. The external storage can be configured for JBOD storage of software controlled RAID 5. Internal RAID 5 storage cannot be used in conjunction with external storage.

Front panel LED displays on the **DSSRV NVR** provide information on system operation. The LEDs are integrated with the new Digital Sentry System Information (DSSI) utility, providing critical, real-time statistics on system resource utilization, temperature, and throughput status.

*The DS NVs database is limited to 128 cameras. The actual number of cameras that can be supported is dependent on camera settings, client connections and activity, network bandwidth, and the available throughput of the DSSRV NVR.



by Schneider Electric

International Standards
Organization Registered Firm;
ISO 9001 Quality System



C4693 / REVISED 3-25-13

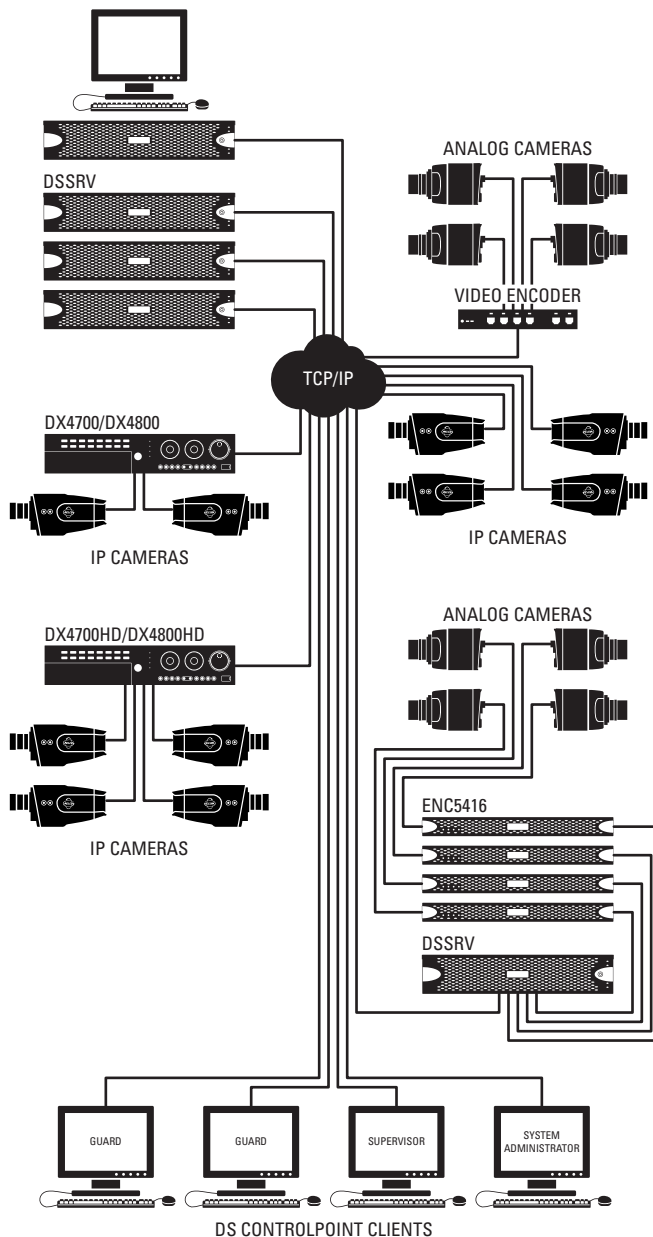
TECHNICAL SPECIFICATIONS

OPEN ARCHITECTURE

The cornerstone of Digital Sentry design, a fully Open Architecture, is provided through ONVIF compliance and support for a large number of IP-specific drivers. Users can choose specific IP cameras or encoders to fit their application.

In addition, the Digital Sentry platform supports the Pelco API and a full suite of integration tools, allowing Digital Sentry to be integrated into access control or PSIM systems

Eliminate the risk of deferred support that comes with VMS software from one vendor and a general purpose hardware platform from another. Replace it with the assurance of an integrated platform built specifically for the rigors of IP video recording. Make the performance, reliability, and Open Architecture of DS NVs running on DSSRV NVR the core foundation of your video management solution.



IMPORTANT NOTE. PLEASE READ. The network implementation is shown as a general representation only and is not intended to show a detailed network topology. Your actual network will differ, requiring changes or perhaps additional network equipment to accommodate the system as illustrated. Please contact your local Pelco representative to discuss your specific requirements.

TECHNICAL SPECIFICATIONS

SYSTEM

Processor	2nd Generation Intel® Core™ i7
Operating System	Windows 7 Ultimate 64-bit SP1
Internal Memory	8 GB RAM
User Interface	DS ControlPoint
Internal Storage (JBOD or RAID 5*)	
DSSRV	500 GB, 3 TB, 6 TB, 9 TB, 12 TB, 15 TB, or 18 TB
DSSRV-DVD	500 GB, 3 TB, 6 TB, 9 TB, or 12 TB
RAID Level	Internal RAID 5 (requires DSSRV-RAID controller card for hot-swappable drives)†
External Storage	Pelco's DX8100HDDI or third-party SCSI targets (requires optional DSSRV-SCSI)
System Drives	
DSSRV‡	6, 3.5-inch hard drive bays
DSSRV-DVD	4, 3.5-inch hard drive bays
Optical Drive	DVD±RW with DSSRV-DVD

*The minimum configuration for an internal RAID 5 is three hard disk drives. One hard disk drive of the RAID 5 configuration is used for parity, reducing net storage capacity by the storage capacity of one hard disk drive. For example, an 18 TB RAID system provides net storage of 15 TB.

†Requires an optional DSSRV-RAID controller card. The internal RAID 5 requires reimaging of the system.

‡DVD and non-DVD models are each different form factors. DVD models have only four drive bays; non-DVD models have six drive bays.

REMOTE CLIENT PC REQUIREMENTS§

Operating System	Microsoft® Windows® XP Professional SP2, Windows Vista® (32 or 64 bit), Windows 7 (32 or 64 bit)
Processor	2nd Generation Intel® Core™ i7 3.4 GHz or higher
Memory	4 GB DDR3 or higher
Graphics Card	512MB or more dedicated memory

§While the DS ControlPoint client can be run at the server, doing so can impact performance of the DSSRV. For optimum performance, run DS ControlPoint at a client station.

NETWORK

Interface	2 Gigabit Ethernet RJ-45 (1000Base-T, non load balancing)
Auxiliary Interfaces	
USB Ports	1 front (USB 2.0) 4 rear (2 USB 3.0; 2 USB 2.0)

POWER

Power Input	100 to 240 VAC, 50/60 Hz, autoranging
Power Supply	Internal
Power Consumption	Operating Maximum
	Watts Amperes BTU/H
100 VAC / 50 Hz	222.0 2.22 758.0
110 VAC / 50 Hz	224.0 2.02 759.4
110 VAC / 60 Hz	223.0 2.03 761.4
115 VAC / 50 Hz	217.0 1.89 740.8
115 VAC / 60 Hz	215.5 1.87 735.7
220 VAC / 50 Hz	213.0 0.97 727.2
220 VAC / 60 Hz	204.1 0.93 696.8
240 VAC / 50 Hz	211.9 0.88 723.4
240 VAC / 60 Hz	207.6 0.86 708.8

CONNECTIONS

Video Out	2 DVI-D connectors, 1 VGA connector. A maximum of 2 video out connectors can be used.**
Audio Out	1, 1/8-inch audio jack connector

**Running the client software on the DSSRV NVR server degrades the performance of the server; therefore, running the DS ControlPoint remote client at one or more stations is recommended.

FRONT PANEL INDICATORS/FUNCTIONS

Buttons	Power
Indicators	
Unit Status	Green, amber, red
Primary Network	Green, amber, red
Secondary Network	Green, amber, red
Software Status	Green, amber, red (based on diagnostics)
Hard Disk Status	Green, red, off (behind bezel)

ENVIRONMENTAL

Operating Temperature	10° to 35°C (50° to 95°F)
Storage Temperature	–40° to 65°C (–40° to 149°F)
Operating Humidity	20% to 80%, noncondensing
Maximum Humidity Gradient	10% per hour
Operating Altitude	–15 to 3,048 m (–50 to 10,000 ft)
Operating Vibration	0.25 G at 3 Hz to 200 Hz at a rate of 0.5 octave/minute

Note: The temperature at the unit air intake can be significantly higher than room temperature. Temperature is affected by rack configuration, floor layout, air conditioning strategy, and other issues. To prevent performance failure and unit damage, make sure the temperature at the unit is continuously within the operating temperature range.

PHYSICAL

Dimensions	50.8 x 43.4 x 8.9 cm (20" D x 17.1" W x 3.5" H)
Weight	Unit Shipping
DSSRV-005	11.8 kg (26 lb) 20.9 kg (46 lb)
DSSRV-030	11.8 kg (26 lb) 20.9 kg (46 lb)
DSSRV-060	12.7 kg (28 lb) 21.8 kg (48 lb)
DSSRV-090	13.6 kg (30 lb) 22.7 kg (50 lb)
DSSRV-120	14.5 kg (32 lb) 23.6 kg (52 lb)
DSSRV-150	15.4 kg (34 lb) 24.5 kg (54 lb)
DSSRV-180	16.3 kg (36 lb) 25.4 kg (56 lb)
DSSRV-005DVD	12.7 kg (28 lb) 21.8 kg (48 lb)
DSSRV-030DVD	13.6 kg (30 lb) 22.7 kg (50 lb)
DSSRV-060DVD	14.5 kg (32 lb) 23.6 kg (52 lb)
DSSRV-090DVD	15.4 kg (34 lb) 24.5 kg (54 lb)
DSSRV-120DVD	16.3 kg (36 lb) 25.4 kg (56 lb)
DSSRV-RD-090	13.6 kg (30 lb) 23.6 kg (52 lb)
DSSRV-RD-012	14.5 kg (32 lb) 24.3 kg (54 lb)
DSSRV-RD-015	15.4 kg (34 lb) 25.2 kg (56 lb)
DSSRV-RD-018	16.3 kg (36 lb) 26.1 kg (58 lb)

TECHNICAL SPECIFICATIONS

MODELS

The following table describes the DSSRV and DSSRV-DVD model numbers. For example, the model number for a 12 TB, DSSRV device with a United Kingdom power cord is DSSRV-120-UK. The model number for a 6 TB, DSSRV-DVD device with an Australian power cord is DSSRV-060DVD-AU.

Note: Units shipped to China do not include power cords.

Model	Storage	Country Code
NVR Without Optical Disk Drive		US = North America EU = Europe UK = United Kingdom CN = China AU = Australia AR = Argentina
DSSRV-005	500 GB	
DSSRV-030	3 TB	
DSSRV-060	6 TB	
DSSRV-090	9 TB	
DSSRV-120	12 TB	
DSSRV-150	15 TB	
DSSRV-180	18 TB	
NVR With RAID Configuration		
DSSRV-RD-090	9 TB	
DSSRV-RD-012	12 TB	
DSSRV-RD-015	15TB	
DSSRV-RD-018	18TB	
NVR With Optical Disk Drive		
DSSRV-005DVD	500 GB	
DSSRV-030DVD	3 TB	
DSSRV-060DVD	6 TB	
DSSRV-090DVD	9 TB	
DSSRV-120DVD	12 TB	

SUPPLIED ACCESSORIES

Power Cord	1 USA standard, 1 based on country designation; all cables are 3 prong, molded connector, 1.8 m (6 ft) Note: Units shipped to China do not include power cords.
USB Keyboard and Mouse	1
Bezel key	2
Rack Mount Kit	Brackets, rails, and hardware for mounting in a 2 RU rack
DSSRV-LIT	Documentation, resource and recovery discs
USB-DS	For non-DVD models; the USB stick is imaged with DS NVs and includes resource documentation

OPTIONAL ACCESSORIES

DS-SW-CAM	DSSRV models include eight licenses for Pelco and third-party IP cameras. Additional DS-SW-CAM licenses can be purchased separately.
ENC5416	Direct-attached analog encoder
ENC5400-4PORT	4-port host card (analog) connects 4 ENC5416
DSSRV-RAID	LSI 3Ware 9750-8i RAID controller card
DSSRV-SCSI	Adaptec® SCSI Card 29320LPE
DSHDD-005	500 GB upgrade/replacement drive
DSHDD-030	3 TB upgrade/replacement drive

Note: Only joystick control is supported. Mouse operation is required to move between tear-off tabs in DS ControlPoint. Endura color-coded keys are not supported.

CERTIFICATIONS/RATINGS

- CE, Class A; meets EN50130-4 standard requirements
- FCC, Class A
- UL/cUL Listed
- C-Tick
- CCC
- KCC
- S-Mark

STANDARDS/ORGANIZATIONS

- Pelco is a member of the MPEG-4 Industry Forum
- Pelco is a member of the Universal Plug and Play (UPnP) Forum, Steering Committee
- Pelco is a member of the Universal Serial Bus (USB) Implementers Forum
- Pelco is a contributor to the Internal Standards for Organization/Electrotechnical Commission (ISO/IEC) Joint Technical Committee 1 (JTC1), "Information Technology," Subcommittee 29, Working Group 11
- Compliance, ISO/IEC 14496 standard (also known as MPEG-4)
- Compliance, International Telecommunication Union (ITU) Recommendation G.711, "Pulse Code Modulation (PCM) of Voice Frequencies"
- Pelco is a member of the ONVIF Open Industry Forum

Notice: Judgment as to the suitability of the products for users' purposes is solely the users' responsibility. Users should refer to the Operation manuals for cautionary statements regarding user selected options and how they might affect video quality. Users shall determine the suitability of the products for their own intended application, picture rate and picture quality. In the event users intend to use the video for evidentiary purposes in a judicial proceeding or otherwise, users should consult with their attorney regarding any particular requirements for such use.

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LCD Monitor Selection Guide



Application	Size	Model
BNC, VGA and DVI Inputs: Value-Based, 300 Series	17-inch	PMCL317B
	19-inch	PMCL319BL
BNC, VGA and DVI Inputs: Optimized for Analog Video, High Brightness, 400 Series	17-inch	PMCL417HB
	19-inch	PMCL419HB
HDMI, Display Port*, BNC, VGA and DVI Inputs: Large Format, Full High Definition (FHD), LED Backlight, Multimode, 500 Series	24-inch	PMCL524FL
	32-inch	PMCL532BL
	42-inch	PMCL542BL
	46-inch	PMCL546BL
	55-inch	PMCL555BL

* Not available with PMCL524FL or PMCL532BL

LCD Monitor Selection Guide

Model	Description	Compatible Monitors								
		PMCL317B	PMCL319BL	PMCL417HB	PMCL419HB	PMCL524FL	PMCL532BL	PMCL542BL	PMCL546BL	PMCL555BL
PMCL-WM	Fixed Wall Mount	•	•	•	•	•	•*			
PMCL-WMT	Tilt/Swivel Wall Mount	•	•	•	•	•	•*			
PMCL-WM1A	Tilt/Swivel Articulating Arm Wall Mount	•	•	•	•	•	•*			
PMCL-CM	Ceiling Mount	•	•	•	•	•	•*			
PMCL-CMP	Ceiling Mount with Pole	•	•	•	•	•	•*			
PMCL-17ARM	17-inch Monitor Rack Mount	•		•						
PMCL-19ARM	19-inch Monitor Rack Mount		•		•					
PMCL-V200	200 x 200 mm Adapter Plate						•			
PMCLNBWMF	Flat Wall Mount						•	•	•	•
PMCLNBWMT	Tilt Wall Mount						•	•	•	•
PMCLNBWMS	Scissor-style Articulating Arm Wall Mount						•	•	•	•

*PMCL-V200 adapter plate needed.

16 Channel Color Duplex Multiplexer RMX16CD



Our 16 channel color duplex multiplexer allows viewing of up to 16 image sources on one screen, while simultaneously recording full screen images on a VCR. It has an array of features, including viewing options such as, full-screen, multi-screen, or sequential switching with adjustable dwell time. Full-screen and multi-screen viewing options are available during VCR playback. The RMX16CD is uniquely programmable for recording between 2 - 999 hours and conveniently has a built-in time/date generator with 8 character camera title function. Video loss alert and alarm detection are structured. Compatible with all standard and time lapse VCRs and most DVRs. 4 channel color (RMX4CD), and 9 channel color (RMX9CD) models are also available.

Specifications

Camera Inputs	BNC, 16, composite video 1.0 Vp-p 75 Ohms
Adjustable Program Recording	2-999 hours-accepts trigger pulses from VCRs & DVRs
Alarm Functions	Video loss alert and alarm detection with up to 100 record
Alarm Inputs	16 (TTL Level)
Alarm Output	1, Normally open or closed (relay output) contacts with shared common
Compatibility	Compatible with all standard and time lapse VCRs and most DVRs
Looping Camera Outputs	BNC, 16, composite video 1.0 Vp-p 75 Ohms
Maximum Image Sources	16 on one screen
Monitor Output	BNC, 3, composite video 1.0 Vp-p 75 Ohms
Other Features	Built-in time and date generator with 8 character camera title function
Playback Input	BNC, 1, composite video 1.0 Vp-p 75 Ohms
Power Consumption	Maximum 9 Watts
Power Source	12V DC, 1.2 Amp included
Recovery Output	1 (TTL active low)
RS-232 Interface	D-SUB 25 pin female connector
Switch Input	BNC, 1 (TTL Level)
VCR Output	BNC, 1, composite video 1.0 Vp-p 75 Ohms
Viewing Options	Full screen, multi-screen or sequential switching with adjustable dwell time
Dimensions	1.75" H x 17" W x 9.75" D
Weight	5 lbs. 8 oz. net

Speco Technologies is constantly developing and improving products.

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We reserve the right to modify product design and specifications without notice and without incurring any obligation.

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