



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

**Solicitation**

NUMBER
HUT993

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
TARA LYLE 304-558-2544

VENDOR

RFQ COPY  
 TYPE NAME/ADDRESS HERE  
 GRAYBAR ELECTRIC  
 1010 YOUNG STREET  
 CHARLESTON WV 25301

SHIP TO

HUTTONSVILLE CORRECTIONAL  
 CENTER  
 ATTENTION: KEN HOLBROOK  
 ROUTE 250 SOUTH  
 HUTTONSVILLE, WV  
 26273 335-2291

DATE PRINTED
05/16/2013

BID OPENING DATE: 06/05/2013 BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	QAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, WV DIVISION OF CORRECTIONS, IS SOLICITING BIDS FOR DOME CAMERAS, DIGITAL VIDEO RECORDERS AND POWER SUPPLY FOR THE HUTTONSVILLE CORRECTIONAL CENTER, PER THE ATTACHED SPECIFICATIONS.  ATTACHMENTS INCLUDE: 1. INSTRUCTIONS TO VENDORS SUBMITTING BIDS 2. GENERAL TERMS AND CONDITIONS 3. HUT993 SPECIFICATIONS 4. CERTIFICATION AND SIGNATURE PAGE 5. PURCHASING AFFIDAVIT 6. RESIDENT VENDOR PREFERENCE (RVP) FORM						
0001	147	EA		655-30		
	DOME CAMERA					
0002	9	EA		840-71		
	DVR					

06/05/13 01:03:54 PM  
 West Virginia Purchasing Division

SIGNATURE <i>Kevin Hyslop</i>	TELEPHONE 304-344-2371	DATE 6-5-13
TITLE SALES REP	FEIN 130794380001	ADDRESS CHANGES TO BE NOTED ABOVE

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



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LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0003	8	EA		655-27		
	POWER SUPPLY					
***** THIS IS THE END OF RFQ HUT993 ***** TOTAL:						\$ 51,846.50

SIGNATURE <i>Ken Holbrook</i>	TELEPHONE 304-344-2371	DATE 6-5-13
TITLE SALES REP	FEIN 130794380001	ADDRESS CHANGES TO BE NOTED ABOVE

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

**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.

Question Submission Deadline: May 28, 2013 at 5:00 pm

Submit Questions to:

Tara Lyle, File 32'

2019 Washington Street, East

P.O. Box 50130

Charleston, WV 25305

Fax: 304-558-4115

Email: Tara.L.Lyle@wv.gov

5. **VERBAL COMMUNICATION:** Any verbal communication between the Vendor and any State personnel is not binding, including that made 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 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 bid delivery address is:

Department of Administration, Purchasing Division  
2019 Washington Street East  
P.O. Box 50130,  
Charleston, WV 25305-0130

The bid should contain the information listed below on the face of the envelope or the bid may not be considered:

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, 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, 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:     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 time stamped by the official Purchasing Division time clock.

**Bid Opening Date and Time:**

June 5, 2013 at 1:30 pm

**Bid Opening Location:**

Department of Administration, Purchasing Division  
 2019 Washington Street East  
 P.O. Box 50130,  
 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.

**GENERAL TERMS AND CONDITIONS:**

1. **CONTRACTUAL AGREEMENT:** Issuance of a Purchase Order 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 and 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 "Purchase Order" 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 successful bidder and Contract holder.
  
  - 2.6 "Solicitation" means the official solicitation published by the Purchasing Division and identified by number on the first page thereof.
  
  - 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   
  
 and extends for a period of  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 must be submitted to the Purchasing Division Director 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  successive one (1) year periods. 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.

**Reasonable Time Extension:** At the sole discretion of the Purchasing Division Director, and with approval from the Attorney General's office (Attorney General approval is as to form only), this Contract may be extended for a reasonable time after the initial Contract term or after any renewal term as may be necessary to obtain a new contract or renew this Contract. Any reasonable time extension shall not exceed twelve (12) months. Vendor may avoid a reasonable time extension by providing the Purchasing Division Director with written notice of Vendor's desire to terminate this Contract 30 days prior to the expiration of the then current term. During any reasonable time extension period, the Vendor may terminate this Contract for any reason upon giving the Purchasing Division Director 30 days written notice. Automatic extension of this Contract is prohibited. Notwithstanding the foregoing, Purchasing Division approval is not required on agency delegated or exempt purchases, but Attorney General approval may be required.

- Fixed Period Contract:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within  days.
- One Time Purchase:** The term of this Contract shall run from the issuance of the Purchase Order until all of the goods contracted for have been delivered, but in no event shall 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 Purchase Order 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 issued and 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 issued and 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.

[ ] **WORKERS' COMPENSATION INSURANCE:** The apparent successful Vendor shall have appropriate workers' compensation insurance and shall provide proof thereof upon request.

[ ] **INSURANCE:** The apparent successful Vendor shall furnish proof of the following insurance prior to Contract award:

[ ] **Commercial General Liability Insurance:**  
[ ] or more.

[ ] **Builders Risk Insurance:** builders risk – all 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. **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.

10. **ALTERNATES:** Any model, brand, or specification listed herein 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. LIQUIDATED DAMAGES:** Vendor shall pay liquidated damages in the amount

	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.

- 13. 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 Purchase Order, upon receipt.
- 14. 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.
- 15. 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.
- 16. 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.
- 17. 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, to the Agency at the address on the face of the purchase order labeled "Invoice To."
- 18. UNIT PRICE:** Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.
- 19. DELIVERY:** All quotations are considered freight on board destination ("F.O.B. destination") unless alternate shipping terms are clearly identified in the bid. Vendor's listing of shipping terms that contradict the shipping terms expressly required by this Solicitation may result in bid disqualification.
- 20. INTEREST:** Interest attributable to late payment will only be permitted if authorized by the West Virginia Code. Presently, there is no provision in the law for interest on late payments.
- 21. 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 Resident Vendor Certification form has been attached hereto to allow Vendor to apply for the preference. Vendor's

failure to submit the Resident Vendor Certification form with its bid will result in denial of Vendor Preference. Vendor Preference does not apply to construction projects.

- 22. SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES:** For any solicitations publicly advertised for bid on or after July 1, 2012, 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 submission of its bid 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.
- 23. 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.
- 24. 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 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.
- 25. 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.
- 26. TIME:** Time is of the essence with regard to all matters of time and performance in this Contract.
- 27. 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.
- 28. COMPLIANCE:** Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendors acknowledge that they have reviewed, understand, and will comply with all applicable law.
- 29. 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.

- 30. 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.
- 31. 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.**
- 32. 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.
- 33. 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.
- 34. 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.
- 35. 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.
- 36. 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.
- 37. 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.

- 38. HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at <http://www.state.wv.us/admin/purchase/vrc/hipaa.html> and is hereby made part of the agreement provided that the Agency meets the definition of a Covered entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the Vendor. Additionally, the HIPAA Privacy, Security, Enforcement & Breach Notification Final Omnibus Rule was published on January 25, 2013. It may be viewed online at <http://www.gpo.gov/fdsys/pkg/FR-2013-01-25/pdf/2013-01073.pdf>. Any organization, that qualifies as the Agency's Business Associate, is expected to be in compliance with this Final Rule. For those Business Associates entering into contracts with a HIPAA Covered State Agency between January 25, 2013 and the release of the 2013 WV State Agency Business Associate Agreement, or September 23, 2013 (whichever is earlier), be advised that you will be required to comply with the 2013 WV State Agency Business Associate Agreement. For those Business Associates with contracts with a HIPAA Covered State Agency executed prior to January 25, 2013, be advised that upon renewal or modification, you will be required to comply with the 2013 WV State Agency Business Associate Agreement no later than September 22, 2014.
- 39. 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>.
- 40. 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.

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. In addition, 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. 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.

- 41. 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.
- 42. ANTITRUST:** In submitting a bid to, signing a contract with, or accepting a Purchase Order 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.
- 43. VENDOR CERTIFICATIONS:** By signing its bid or entering into this Contract, Vendor certifies (1) that its bid was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid for the same material, supplies, equipment or services; (2) that its bid 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 RFQ in its entirety; understands the requirements, terms and conditions, and other information contained herein. Vendor's signature on its bid 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 on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid 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.

- 44. 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.

- 45. 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.

- 46. 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.
- 47. 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.
- 48. 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.
- 49. CONFLICT OF INTEREST:** Vendor, its officers or members or employees, shall not presently have or acquire any 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.



**50. 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](mailto:purchasing.requisitions@wv.gov).

**51. 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.

**52. 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 heath, 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:

- a. 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
- b. 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.

**53. 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.

REQUEST FOR QUOTATION  
HUT993 Surveillance Equipment: Cameras, DVR & Power Supply

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SPECIFICATIONS

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of Division of Corrections, Huttonsville Correctional Center to establish a contract for the one time purchase of Surveillance 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"** means Surveillance Equipment, Cameras, Digital Video Recorder Dual-Streaming, and Power Supply.
  - 2.2 **"Pricing Page"** means the pages upon which Vendor should list its proposed price for the Contract Items in the manner requested. The Pricing Page is either included on the last page of this RFQ or attached hereto as Exhibit A.
  - 2.3 **"RFQ"** means the official request for quotation published by the Purchasing Division and identified as HUT993.
3. **GENERAL REQUIREMENTS:**
  - 3.1 **Mandatory Contract Item Requirements:** Contract Item must meet or exceed the mandatory requirements listed below. Surveillance equipment, cameras, Digital Video Recorder Dual-Streaming, and Power Supply.
    - 3.1.1 **Dome Cameras, heavy-duty indoor/outdoor housing (IP66 rated), Varifocal Lens or Equal**
      - 3.1.1.1 Privacy Masking: 8 to 12 areas ON/OFF, 2 colors, position, size adjustable.
      - 3.1.1.2 Mirror: Horizontal
      - 3.1.1.3 Sensor: 1/3-in. interline transfer Super HAD CCD
      - 3.1.1.4 Synchronization: DC Internal/AC line lock
      - 3.1.1.5 Signal System: NTSC or PAL standard
      - 3.1.1.6 Effective Pixels (HxV): 811x508(NTSC); 795x596(PAL)
      - 3.1.1.7 Horizontal Resolution: 540 to 740 TVL color
      - 3.1.1.8 Sensitivity: 0.05lux @ f1.2,30 IRE
      - 3.1.1.9 Video Signal-to-Noise Ratio: >50 db
      - 3.1.1.10 AGC: 0 to 36 db

- 3.1.1.11 Gamma Compensation: 9 to 15 Curves selectable
- 3.1.1.12 Composite Output: 1.0 V p-p @75 ohms
- 3.1.1.13 White Balance: ATW/AWB/Manual/PTL
- 3.1.1.14 Scanning system: 525/60 (NTSC), 625/50 (PAL)  
2:1 Interlace
- 3.1.1.15 D/N Switching: Auto/Manual
- 3.1.1.16 Aperture Correction: 0 to 9 steps adjustable
- 3.1.1.17 Lens Mount: D-mount
- 3.1.1.18 Lens Options: 2.8 to 10.5 mm A1 f1.2 IR corrected  
9 to 22 mm A1f1.4 IR corrected
- 3.1.1.19 Auto Exposure: 1/60(1/50) sec
- 3.1.1.20 Manual Exposure: 1/60(1/50), 1/120, 1/250, 1/500, 1/1000,  
1/2000, 1/5000, 1/10000 sec.
- 3.1.1.21 Operating Temperature: -22 to 122°F (-30 TO 50°C)
- 3.1.1.22 Input Voltage: 12VDC or 24 VAC
- 3.1.1.23 Power Consumption: 2.5 W (DC); 2.5 W (AC)
- 3.1.1.24 Dimensions: 5.22 x 4.11 in. (133 x 105 mm)
- 3.1.1.25 Weight: Rugged Dome 33.8oz (958g)
- 3.1.1.26 Regulatory Certifications: FCC, CE, C-TICK, UL

**3.1.2 Digital Video Recorder (DVR 31) H.264 Dual Streaming or Equal**

- 3.1.2.1 8.16 video inputs, composite NBC, NTSC/PAL compatible
- 3.1.2.2 Video looping (manual termination)
- 3.1.2.3 Recording resolution: CIF, 2CIF, D1
- 3.1.2.4 Real-time Live on all video channels
- 3.1.2.5 Video compression: H.264
- 3.1.2.6 Watermarking via Digital Signature
- 3.1.2.7 VGA resolutions: 800x600, 1024x768, 1280x1024pixels, HDMI  
supports 720P, 1080P
- 3.1.2.8 16 audio channels, line input
- 3.1.2.9 Bi-directional audio (1 channel), line output
- 3.1.2.10 Recording modes: Schedule, Motion, Alarm Continuous
- 3.1.2.11 Pre-alarm (up to 30 seconds)
- 3.1.2.12 Video recording quality: 7 preset settings, Record Wizard,  
Expert Mode
- 3.1.2.13 Motion detection, 12 x 16 grid array, sensitivity adjustable  
trigger

REQUEST FOR QUOTATION  
HUT993 Surveillance Equipment: Cameras, DVR & Power Supply

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- 3.1.2.14 Video loss detection
- 3.1.2.15 **Electrical:** Power source: Internal power supply, Universal Auto-Switching, 100-240 VAC, 50/60Hz, 100W
- 3.1.2.16 **Mechanical:** Dimensions (WxHxD): 17.25 x 3.5 x 16.5 in. (438 x 89 x 419 mm)
- 3.1.2.17 2RU
- 3.1.2.18 Weight: 15.5 lbs. (7 kg)
- 3.1.2.19 Connectors: Main monitor: VGA, S-video 7 composite BNC, HDMI output
- 3.1.2.20 Spot monitor: composite BNC
- 3.1.2.21 Alarm I/O: Terminal block, 3 output relays
- 3.1.2.22 RS-422/RS-485 terminal block
- 3.1.2.23 Video input: composite BNC, (1 vp-p 75  $\Omega$ ) or (1 vp-p on 75Ohm), loop through
- 3.1.2.24 Audio I/O terminal block input, RCA output
- 3.1.2.25 10/100/100 Ethernet: RJ-45
- 3.1.2.26 USB 2.0 port2, 2 front, 1 back
- 3.1.2.27 RS-232C (D-Sub 9-pin male connector)

**3.1.3 Power Supply 16 Fuse 24Vac @ 12.5 A**

- 3.1.3.1 Type: CCTV AC, Wall Mount
- 3.1.3.2 Material: Steel, Finish: Gray
- 3.1.3.3 Enclosure Depth 3.25 in, Enclosure Width 13.00in, Enclosure Height 13.50 in, Input Voltage 115 VAC
- 3.1.3.4 Number of Outputs: 16
- 3.1.3.5 Voltage Output 24VAC or 28VAC. Output current 24VAC @ 12.5A or 28VAC @ 10A Amps, Input Frequency 60 Hz.
- 3.1.3.6 Standards UL 2044 Commercial CCTTV, CUL, CE includes CAM lock, Spare Fuse.
- 3.1.3.7 Input Voltage: 115VAC
- 3.1.3.8 Sub-Category: Power Supply. Wall Mount

**3.1.4 Warranty**

Vendor shall provide a minimum of three (3) year warranty on all component systems.

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**4. CONTRACT AWARD:**

**4.1 Contract Award:** The Contract is intended to provide Agencies with a purchase price for the Contract Items. The Contract shall be awarded to the Vendor that provides the Contract Items meeting the required specifications for the lowest overall total cost as shown on the Pricing Pages.

**4.2 Pricing Page:** Vendor should complete the Pricing Page by completing the unit price and adding the extended price. Vendor should complete the Pricing Page in full as failure to complete the Pricing Page in its entirety may result in Vendor's bid being disqualified.

Notwithstanding the foregoing, the Purchasing Division may correct errors as it deems appropriate. Vendor should type or electronically enter the information into the Pricing Page to prevent errors in the evaluation.

**5. PAYMENT:**

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

**6. DELIVERY AND RETURN:**

**6.1 Shipment and Delivery:** Vendor shall ship the Contract Items immediately after being awarded this Contract and receiving a purchase order or notice to proceed. Vendor shall deliver the Contract Items on or before July 15, 2013 and invoice the Division of Corrections on or before July 20, 2013.

**6.2 Late Delivery:** The Agency placing the order under this Contract must be notified in writing if the shipment of the Contract Items will be delayed for any reason. Any delay in delivery that could cause harm to an Agency will be grounds for cancellation of the Contract, and/or obtaining the Contract Items from a third party.

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

**6.3 Delivery Payment/Risk of Loss:** Vendor shall deliver the Contract Items F.O.B. destination to the Agency's location.

**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.

REQUEST FOR QUOTATION  
HUT993 Surveillance Equipment: Cameras, DVR & Power Supply

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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.

REQUEST FOR QUOTATION  
HUT993 Surveillance Equipment: Cameras, DVR & Power Supply

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HUT993  
EXHIBIT A  
PRICING PAGE

Item #	Description	Quantity	Unit Price	Extended Total
3.1.1 PELCO FD5-DV10-6	Dome Cameras IP66 Varifocal lens	147	\$192.00	\$ 28,224.00
3.1.2 PELCO DX4716-4000	(DVR 31) H.264 Dual Streaming	9	\$2514.50	\$ 22,630.50
3.1.3 PELCO MCS16-10	Power Supply 16 Fuse 24VAC @12.5A	8	\$124.00	\$ 992.00
<b>TOTAL COST:</b>				\$ 51,846.50

Failure to use this form may result in disqualification

Bidder/Vendor Information

Name: GRAYBAR ELECTRIC

Address: 1010 YOUNG STREET

CHARLESTON, WV 25301

Phone: 304-344-2371

Fax: 304-344-0324

Authorized  
Signature: 




CERTIFICATION AND SIGNATURE PAGE

By signing below, 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 or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

GRAYBAR ELECTRIC

(Company)



(Authorized Signature)

KEVIN HYPES, SALES REP

(Representative Name, Title)

304-344-2371

(Phone Number)

304-344-0324

(Fax Number)

JUNE 5, 2013

(Date)

**VENDOR PREFERENCE CERTIFICATE**

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

1. **Application is made for 2.5% resident vendor preference for the reason checked:**  
 Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,  
 Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,  
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
2. **Application is made for 2.5% resident vendor preference for the reason checked:**  
 Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3. **Application is made for 2.5% resident vendor preference for the reason checked:**  
 Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
4. **Application is made for 5% resident vendor preference for the reason checked:**  
 Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**  
 Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**  
 Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.
7. **Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with *West Virginia Code* §5A-3-59 and *West Virginia Code of State Rules*.**  
 Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (*West Virginia Code*, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: GRAYBAR ELECTRIC

Signed: \_\_\_\_\_

Date: JUNE 5, 2013

Title: SALES REP

# FD5 Series Environmental Outdoor Fixed Dome

## 1/3-INCH CCD, 650 TVL, RUGGED, HIGH RESOLUTION, DAY/NIGHT, IR OPTION

### Product Features

- 650 TV Lines
- 0.1 Lux Sensitivity (No IR), Zero Lux (with IR)
- Sony® 1/3-Inch EXview HAD CCD II™ Imager
- Digital Signal Processing (DSP)
- 3 Camera Options:
  - Infrared (IR) Illumination Day/Night High Resolution
  - True Day/Night High Resolution
  - Color High Resolution
- IR Compensation (IR Models Only)
- Varifocal Lens
- Autosensing Power (24 VAC/12 VDC with Internal Synchronization)
- Rugged, Vandal-Resistant Design (IK10)
- Environmental Capability with a Wide Operating Temperature

The **FD5 Series** is Pelco's general purpose environmental and rugged dome camera. It is designed to provide superior picture quality over a wide range of conditions. The camera's attractive size, combined with its numerous features, makes it the ideal camera for most outdoor applications.

The **FD5 Series** dome camera integrates a camera and lens package into a small, versatile outdoor enclosure that can be mounted directly to a ceiling or wall. The **FD5 Series** features a 3-axis camera and lens positioning system that is capable of a wide variety of pan and tilt angles.

The **FD5 Series** offers three high resolution camera options suitable for a variety of indoor environments:

- **IR Illumination High Resolution Dome:** Features a high resolution (650 TVL) color camera with auto iris, and varifocal lens. The IR camera option is equipped with high performance IR compensation. This camera can be set manually to adjust IR illumination levels, enabling customers to change the levels of luminance and contrast according to the shooting environment. This function reduces the blooming effect and delivers clear images when objects get closer to the camera. The IR camera option uses a group of IR LEDs for supplemental lighting. This allows the camera to function under zero lux illumination when IR is on, creating an effective IR illumination distance up to 25 meters. Application examples include outdoor environments with difficult lighting conditions that need a supplemental IR light source.



FD5-DV SERIES

- Weathertight Outdoor Operation (IP66)
- Alarm Output (Based on Model)
- Shipped Completely Assembled, Easy to Install

- **True Day/Night High Resolution Dome:** Features a high resolution (650 TVL) day/night camera with auto iris and varifocal lens. The camera uses a movable IR cut filter to switch between color and black-white (B-W) modes in changing environmental lighting conditions and when the need for low-light sensitivity is realized. Application examples include outdoor environments that require color images during the day but use monochrome images at night.

- **Color High Resolution Dome:** Features a high resolution (650 TVL) color camera with auto iris, and varifocal lens. This camera is suitable for general outdoor applications in most fixed lighting conditions. Its full features insure that images are clear and crisp at all times under consistent light

All **FD5 Series** cameras feature ATR technology, which can provide dynamic range by selecting different gamma levels.

The **FD5 Series** has built-in analytical capabilities such as privacy zones, motion detection, and camera titles that adds to its functionality and makes it suitable for most applications.

The **FD5 Series** has a rugged, vandal-resistance design and an impact resistance that meets the IK10 standard. The **FD5 Series** has a wide operating temperature (-30° to 50°C), which makes it an ideal solution for most rugged outdoor applications. The **FD5 Series** also meets weathertight IP66 standards.

The **FD5 Series** is shipped completely assembled, making installation fast and easy. To surface-mount the unit, remove it from the box, remove the lower dome, attach it to the mounting surface, and connect video and power.



by Schneider Electric



C3904 / REVISED 1-21-13

# TECHNICAL SPECIFICATIONS

## CAMERA/OPTICS

	<b>FD5-V Series Varifocal Lens Models</b>	<b>FD5-DV Series True Day/Night Varifocal Lens Models</b>	<b>FD5-IRV Series IR Illumination Varifocal Lens Models</b>
Image Sensor	Sony 1/3-Inch EXview HAD CCD II™ 960H	Sony 1/3-Inch EXview HAD CCD II 960H	Sony 1/3-Inch EXview HAD CCD II 960H
Signal Processing	Sony DSP, Effio-E™	Sony DSP, Effio-E	Sony DSP, Effio-E
Effective Pixels			
NTSC	976 (H) x 494 (V)	976 (H) x 494 (V)	976 (H) x 494 (V)
PAL	976 (H) x 582 (V)	976 (H) x 582 (V)	976 (H) x 582 (V)
Scanning Area	5.58 (H) mm x 4.67 (V) mm (0.22 x 0.18 inch)	5.58 (H) mm x 4.67 (V) mm (0.22 x 0.18 inch)	5.58 (H) mm x 4.67 (V) mm (0.22 x 0.18 inch)
Scanning System			
NTSC	525 lines, 2:1 interlace	525 lines, 2:1 interlace	525 lines, 2:1 interlace
PAL	625 lines, 2:1 interlace	625 lines, 2:1 interlace	625 lines, 2:1 interlace
Scanning Frequency			
NTSC	Horizontal, 15.734 kHz Vertical, 59.94 Hz	Horizontal, 15.734 kHz Vertical, 59.94 Hz	Horizontal, 15.734 kHz Vertical, 59.94 Hz
PAL	Horizontal, 15.625 kHz Vertical, 50.00 Hz	Horizontal, 15.625 kHz Vertical, 50.00 Hz	Horizontal, 15.625 kHz Vertical, 50.00 Hz
Synchronization	Internal	Internal	Internal
Horizontal Resolution	650 TVL	650 TVL	650 TVL
Minimum Illumination	f/1.2; 2,850°K; 30 IRE Color 0.1 lux Mono 0.1 lux	f/1.2; 2,850°K; 30 IRE Color 0.1 lux Mono 0.05 lux	f/1.2; 2,850°K; 30 IRE Color 0.1 lux Mono 0.0 lux
IR Cut Filter	Fixed	Yes, D/N switch	Yes, D/N switch
Dynamic Range	Gamma selectable (ATR)	Gamma selectable (ATR)	Gamma selectable (ATR)
IR Illumination Distance	—	—	25 m
IR Sensitivity	—	—	>40% at 850 nm, peak response
Low Light Technology	—	ICR	ICR and LEDs
Electronic Shutter Range	1/50 ~ 1/10,000 sec	1/50 ~ 1/10,000 sec	1/50 ~ 1/10,000 sec
Video Output	1.0 Vp-p, NTSC/PAL composite, 75 ohms, BNC connector	1.0 Vp-p, NTSC/PAL composite, 75 ohms, BNC connector	1.0 Vp-p, NTSC/PAL composite, 75 ohms, BNC connector
White Balance	ATW/Manual/Push/Push Lock/User1/User2/Anti CR	ATW/Manual/Push/Push Lock/User1/User3/Anti CR	ATW/Manual/Push/Push Lock/User1/User4/Anti CR
Signal-to-Noise Ratio	48 dB (>52 dB by parameter adjustment)	48 dB (>52 dB by parameter adjustment)	48 dB (>52 dB by parameter adjustment)
Lens	Varifocal	Varifocal	Varifocal
F-Number	f/1.2	f/1.2	f/1.2
Focal Length	3.0 to 9.0 mm	2.8 to 10.5 mm	2.8 to 10.5 mm
Focus Range	∞ to 0.5 m (1.6 ft)	∞ to 0.3 m (1 ft)	∞ to 0.3 m (1 ft)
Horizontal Angle of View	85.3° at 3.0 mm wide zoom; 31.5° at 9.0 mm telephoto zoom	101.8° at 2.8 mm wide zoom; 27.4° at 10.5 mm telephoto zoom	101.8° at 2.8 mm wide zoom; 27.4° at 10.5 mm telephoto zoom
Vertical Angle of View	63.8° at 3.0 mm wide zoom; 23.7° at 9.0 mm telephoto zoom	73.7° at 2.8 mm wide zoom; 20.6° at 10.5 mm telephoto zoom	73.7° at 2.8 mm wide zoom; 20.6° at 10.5 mm telephoto zoom
Adjusting Angle			
Panning Range	±180°	±180°	±180°
Tilting Range	+90° to 0°	+90° to 0°	+55° to 0°
Rotation Range	±180°	±180°	±180°
Noise Reduction	2D	2D	2D
Motion Detection	Included (4 areas)	Included (4 areas)	Included (4 areas)
Privacy Zones	Included (8 zones)	Included (8 zones)	Included (8 zones)
Camera Titles	—	Included	Included
Alarm Out	—	1	1

# TECHNICAL SPECIFICATIONS

## GENERAL

Back Box Construction	Die-cast aluminum	
Bubble Type	Lightly obscured	
Weight	Unit	Shipping
FD5-V Series	0.73 kg (1.61 lb)	1.28 kg (2.82 lb)
FD5-DV Series	0.73 kg (1.61 lb)	1.28 kg (2.82 lb)
FD5-IRV Series	0.75 kg (1.65 lb)	1.28 kg (2.82 lb)

## ELECTRICAL

Power Requirement	
NTSC	12 VDC/24 VAC +10% to -15%, 60 Hz
PAL	12 VDC/24 VAC +10% to -15%, 50 Hz
Power Consumption	
FD5-V Series	2.5 W (without heater); 43 W (with heater on)
FD5-DV Series	2.5 W (without heater); 43 W (with heater on)
FD5-IRV Series	4 W (IR on, without heater); 47 W (IR on, with heater on)
Power Connector	2-pin terminal block with screw terminals
Video Connector	BNC

## ENVIRONMENTAL

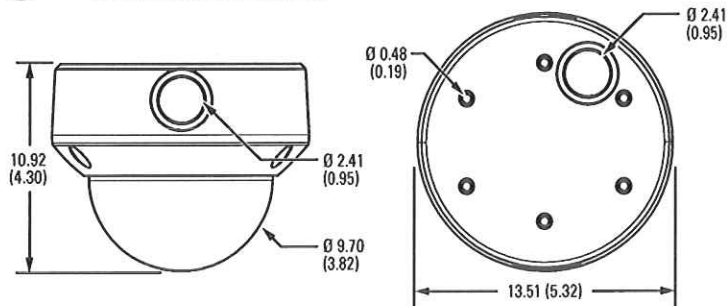
Operating Temperature	-30° to 50°C (-22° to 122°F)
Storage Temperature	-30° to 60°C (-22° to 140°F)
Operating Humidity	20% to 80%, noncondensing
Storage Humidity	20% to 90%, noncondensing
Impact Resistance	IK10

## CERTIFICATIONS

- CE, Class B
- FCC, Class B
- UL/cUL Listed
- Meets IP66 standards



NOTE: VALUES IN PARENTHESES ARE INCHES;  
ALL OTHERS ARE CENTIMETERS.



# TECHNICAL SPECIFICATIONS

## MODELS

Camera Type	Lens Type	NTSC	PAL
Color, High Resolution	Varifocal, 3.0 to 9.0 mm	FD5-V9-6	FD5-V9-6X
True Day/Night, ICR Switch	Varifocal, 2.8 to 10.5 mm	FD5-DV10-6	FD5-DV10-6X
IR Illumination	Varifocal, 2.8 to 10.5 mm	FD5-IRV10-6	FD5-IRV10-6X

## RECOMMENDED POWER SUPPLIES

TF9000 Power supply for one 24 VAC camera, 50 VA  
MCS Series Multiple 24 VAC camera power supply, indoor

## OPTIONAL ACCESSORIES

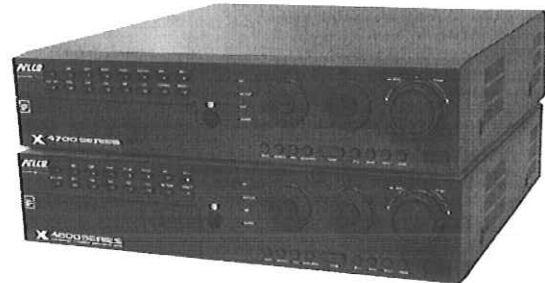
FD-SC Dome camera service cable to BNC, 1 meter (3.3 ft), 2-pin  
TW3001PC Passive twisted wire transmission for use in unshielded twisted pair (UTP) installations

# DX4700/DX4800 Series H.264 Hybrid Video Recorders

## 10- AND 18-CHANNEL HVR WITH HD, REAL-TIME RECORDING

### Product Features

- Supports 2 Megapixel (MPx) IP Channels
- 8 or 16 Looping Analog Channels Plus 2 IP Cameras, up to 3 Megapixels (MPx) Each
- Up to 30/25 Images Per Second (ips) Recording for IP Cameras up to 4 Mbps
- Up to 30/25 ips at 4CIF Resolution Analog Recording on DX4800
- Up to 4CIF Recording Resolution, 704 x 480 (NTSC), 704 x 576 (PAL)
- CPU Resource Meter
- Searchable by Date/Time, Event, Bookmark, ATM/POS, Export Review, and Pixel
- IP Camera Pan/Tilt/Zoom (PTZ) Control
- Up to 8 TB Internal Storage Capacity
- Up to 4 Audio Inputs and 2 Audio Outputs



- 1 Bidirectional Audio Output
- DX Series Client Simultaneous Connects to DX Series DVRs/HVRs
- Support for Coaxitron® and Pelco's KBD300A Keyboard for PTZ Control of Analog Cameras

**DX4700/DX4800 Series** H.264 hybrid video recorders (HVRs) bring a new range of performance and capability to the Pelco DX Series product line, including support for 8 or 16 analog channels plus two IP cameras (up to 3 MPx each). Customers can now benefit from megapixel image detail where they need it most. For example, customers can monitor registers, cash counting operations, high-value merchandise areas, or lobbies and entrances while still receiving maximum value from existing analog cameras and cabling.

Customers who have continued requirements for 8 or 16 analog cameras and want to expand their systems with megapixel IP recording, have a cost-effective solution in the **DX4700/DX4800 Series**. The ability to support two Pelco megapixel IP cameras, or Axis® cameras, gives customers new power and flexibility in their IP migration path. The new DX4700/DX4800 CPU resource meter monitors system resources in real time and is a useful gauge for the addition of IP cameras to the system.

**DX4700/DX4800 Series** HVRs give customers the ability to record at the speed and resolution they need. Both models record up to 30 ips on all channels. In addition, the DX4800 adds the ability to record full frame rate video at 4CIF resolution for all cameras. With this kind of recording power, previous analog investments gain extended life.

**DX4700/DX4800 Series** HVRs provide unparalleled storage selections for systems in this class. With up to 8 TB of internal storage, you can overcome the higher storage demands of megapixel and high speed recording without sacrificing speed for resolution. **DX4700/DX4800 Series** HVRs also match security

requirements to storage needs with the unique HDD partitioning feature, which allocates individual disk partitions for normal and alarm recording. And, you can ease storage costs for backup video by using optional, external USB-attached HDD enclosures up to 1 TB (available from local electronics retailers).

**DX4700/DX4800 Series** HVRs provide the unique ability to leverage installed systems: the new DX Series remote client provides operational functionality for DX4000 and DX8000 Series DVRs/HVRs, and the optional DS ControlPoint software allows integration with DX Series products as well as Digital Sentry® systems.

**DX4700/DX4800 Series** is full-featured and meets the needs of a wide range of customers. Retail, branch office customers, and others will benefit from its robust capabilities including the ability to capture and overlay ATM/POS text with video recording, access instant playback for quick investigative work, and the use of bidirectional audio for enhanced security.

The **DX4700/DX4800 Series** reduces installation overhead with out of the box recording. An intuitive interface makes custom installation easy and reduces learning time for end customers.

With a wide new range of capabilities, **DX4700/DX4800 Series** H.264 HVRs well suit the needs of existing analog markets and become an integral part of an efficient megapixel IP migration strategy.



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# TECHNICAL SPECIFICATIONS

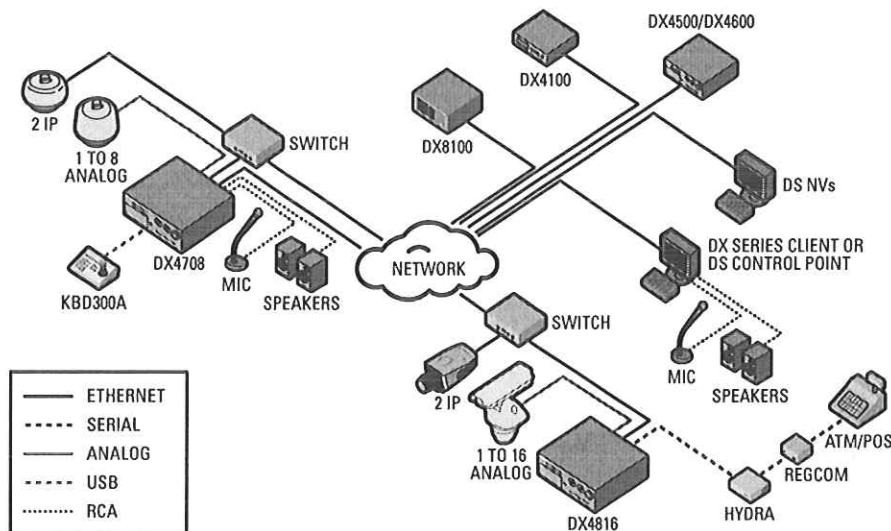
## APPLICATIONS

The **DX4700/DX4800 Series** is perfect for customers who want higher resolution images than analog cameras can provide for specific critical areas of their business, including cash-counting, cashiers, entry/exit, or high-value merchandise areas.

Client-to-server connectivity allows operation from a remote location and can connect to as many as 100 DX Series systems simultaneously. Up to 100 systems can be added to the DX Series client site tree. Multiple DX Series clients, running on dispersed computers, can host a variety of servers in their respective site trees. The DX Series client can operate multiple DX Series systems including **DX4700/DX4800**, **DX4100**, **DX4500/DX4600**, **DX8000**, and **DX8100** systems. Each server supports five simultaneous remote connections. The optional DS ControlPoint client can be used to simultaneously operate any of the current DX Series systems as well as any Integral or Digital Sentry DVR/HVR.

DX Series DVRs and HVRs offer the flexibility to meet the size and performance of industry video recording requirements. For example, small sites can use **DX4100** to record and display video from 1 to 4 cameras; medium-sized sites can use **DX4500/DX4600** to record and display video from 8 or 16 cameras. **DX4700/DX4800** expands security by adding the value of two megapixel cameras to an analog environment of 8 or 16 cameras and the performance of 4CIF/30 ips for the **DX4800 Series**. Both the **DX4800** and **DX8100 Series** units support ATM/POS recording.

The **DX4700/DX4800 Series** provides valuable audio recording capabilities for those applications where policy and legislation allow. Bidirectional audio is an excellent tool for training or for an increased security presence. With up to four audio inputs and two audio outputs, full recording, search, export, and playback capabilities are available at the server. IP streams can be viewed in standard resolution at the server and in megapixel resolution at the client.



**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

## ELECTRICAL/VIDEO

Input Voltage	90 to 264 VAC, 50/60 Hz, autosensing	
Power Consumption	Maximum 250 W	
Signal System	NTSC/PAL, switchable	
Operating System	Embedded Linux	
Video Compression	H.264	
Recording Resolutions	NTSC	PAL
	704 x 480	704 x 576
	704 x 240	704 x 288
	352 x 240	352 x 288
Video Outputs	1 main VGA or analog multiscreen for live viewing	
Multiscreen	1 configurable, analog spot monitor	
Display Resolution Server	SVGA	
Display Resolution Client	Up to 1920 x 1080	
Remote Connection	LAN/WAN TCP/IP	
Network Connection	Gigabit Ethernet, RJ-45	
Simultaneous Remote Connections	5	
Bandwidth Throttle	Server-based, 32 Kbps to 100 Mbps	
Network Streaming	Configurable per camera	

## SUPPORTED PTZ PROTOCOLS

Pelco C, Pelco D, Pelco P  
 Bosch\_Autodome  
 Ganz\_DSCP, Ganz\_P360V1  
 Kalatel\_Cyberdome  
 LG\_Multix, LG\_SD168  
 Panasonic\_CS850  
 Samsung\_SCC

## MAXIMUM IPS RECORDING

Model	Format	NTSC IPS		PAL IPS	
		Total	Per Camera	Total	Per Camera
DX4708	CIF	240	30	200	25
	2CIF	120	15	100	12
	4CIF	60	7	50	6
DX4716	CIF	480	30	400	25
	2CIF	240	15	200	12.5
	4CIF	120	7.5	96	6
DX4808	CIF	240	30	200	25
	2CIF	240	30	200	25
	4CIF	240	30	200	25
DX4816	CIF	480	30	400	25
	2CIF	480	30	400	25
	4CIF	480	30	400	25

## AUDIO

Line In	DX4708/DX4716	2, mono, RCA line in
	DX4808/DX4816	4, mono, RCA line in
Output		2, Mono, 0 dB, RCA
Sampling Rate		128 Kbps (16 KHz)
Two-Way Audio		Mic-in, line-out

## MECHANICAL

Connectors		
Video Inputs		8 or 16, BNC
Video Outputs		8 or 16, BNC, looping
Alarm Input		1 per BNC input; Screw terminal; N.C. or N.O., supervised or nonsupervised
Relay Output		2 for 8-channel; 4 for 16-channel (N.C. or N.O.)
Relay Contact Ratings* Rated (resistive) Load		0.5 A at 120 VAC or 1 A at 24 VDC
Video Output		1 SVGA or 1 analog
TCP/IP Port		RJ-45, 10/100/1000
Data Input		2, RS-422/RS-485 terminals for connecting PTZ cameras
DB9		1, RS-232C connector for interfacing an ATM/POS device
USB		3 high-speed USB 2.0 ports (1 front, 2 back)

\*Relays are grounded.

## GENERAL

Operating Temperature	0° to 50°C (32° to 122°F)
Relative Humidity	Maximum 80%, noncondensing
Mounting	Standard 19-inch rack mount (2 unit)
Dimensions	49.78 x 48.26 x 8.89 cm (19.6" D x 19.0" W x 3.5" H)
Unit Weight	
Without HDD	6.0 kg (13.2 lb)
With HDD	9.0 kg (19.8 lb)
Shipping Weight	18.2 kg (40.0 lb) maximum
Camera Views	
Server	1, 4, 6, 8, 9, 16
Client	1 to 36

## CERTIFICATIONS/PATENTS

- CE
- FCC, Class A
- UL/cUL
- C-Tick
- CCC
- KCC
- S Mark for Argentina

## CLIENT MINIMUM PC REQUIREMENTS

Processor	Intel® Pentium® 4 (or later), 1 GHz
Operating System	Microsoft® Windows® 2000, Windows XP (SP3), Windows Vista®, or Windows 7 and DirectX® 9.1 (or later)
Memory	256 MB
Video	64 MB
Display Resolution	1024 x 768, 32-bit color

# TECHNICAL SPECIFICATIONS

## PRODUCT MODELS AND FEATURES

Feature	DX4708	DX4716	DX4808	DX4816
Megapixel IP Cameras	2	2	2	2
Images Per Second at 4CIF	60	240	240	480
Multi-Event Recording	Yes	Yes	Yes	Yes
Standard Optical Disk Drive	DVD±RW	DVD±RW	DVD±RW	DVD±RW
Maximum Hard Disk Storage (GB)	8000	8000	8000	8000
Audio Inputs/Outputs	2/2	2/2	4/2	4/2
Alarm Inputs/Outputs	8/2	16/2	8/4	16/4

## MODEL NUMBERS

Model Number	Description
DX4708-250	HVR with DVD and 250 GB storage
DX4708-500	HVR with DVD and 500 GB storage
DX4708-1000	HVR with DVD and 1000 GB storage
DX4708-2000	HVR with DVD and 2000 GB storage
DX4708-4000	HVR with DVD and 4000 GB storage
DX4708-6000	HVR with DVD and 6000 GB storage
DX4708-8000	HVR with DVD and 8000 GB storage
DX4716-250	HVR with DVD and 250 GB storage
DX4716-500	HVR with DVD and 500 GB storage
DX4716-1000	HVR with DVD and 1000 GB storage
DX4716-2000	HVR with DVD and 2000 GB storage
DX4716-4000	HVR with DVD and 4000 GB storage
DX4716-6000	HVR with DVD and 6000 GB storage
DX4716-8000	HVR with DVD and 8000 GB storage
DX4808-250	HVR with DVD and 250 GB storage
DX4808-500	HVR with DVD and 500 GB storage
DX4808-1000	HVR with DVD and 1000 GB storage
DX4808-2000	HVR with DVD and 2000 GB storage
DX4808-4000	HVR with DVD and 4000 GB storage
DX4808-6000	HVR with DVD and 6000 GB storage
DX4808-8000	HVR with DVD and 8000 GB storage
DX4816-250	HVR with DVD and 250 GB storage
DX4816-500	HVR with DVD and 500 GB storage
DX4816-1000	HVR with DVD and 1000 GB storage
DX4816-2000	HVR with DVD and 2000 GB storage
DX4816-4000	HVR with DVD and 4000 GB storage
DX4816-6000	HVR with DVD and 6000 GB storage
DX4816-8000	HVR with DVD and 8000 GB storage

## SUPPLIED ACCESSORIES

Power Cords	1 USA and 1 European
USB Mouse	1 for configuration and operation
Resource Disc	1, contains server and client software and documentation
Remote Control	1 for configuration and operation
Accessory Hardware	Alarm and relay terminal blocks, rack mount kit

## COMPATIBLE PRODUCTS

Pelco Sarix® IP Cameras (IM, IX, ID, and IE Series)  
 Axis IP Cameras (must be compatible with VAPIX3)  
 KBD300A Keyboard  
 COTS HDD Enclosures  
 DX Series Client  
 DS ControlPoint  
 API  
 American Video Equipment Hydra™

## OPTIONAL ACCESSORIES

DX4546HDD250KIT*	SATA 250 GB upgrade
DX4546HDD500KIT*	SATA 500 GB upgrade
DX4546HD1000KIT*	SATA 1000 GB upgrade
DX4546HD2000KIT*	SATA 2000 GB upgrade
DX4546DVDKITS*	DVD drive upgrade
KBD300A	KBD300A desktop keyboard with full switching and configuration capabilities and joystick control of PTZ functions; requires a KDB300USBKIT or a KBD300USBKIT-X
KBD300USBKIT	Remote keyboard wiring kit (120 VAC) for KBD300A
KBD300USBKIT-X	Remote keyboard wiring kit (230 VAC) for KBD300A

\*These options are compatible with DX4500, DX4600, DX4700, and DX4800 models.

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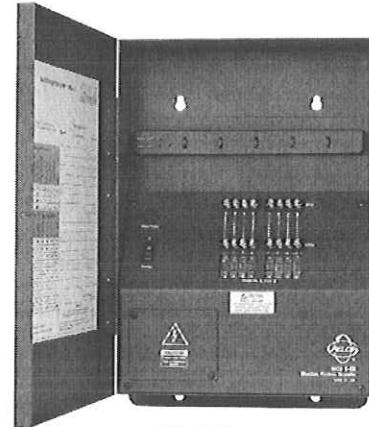
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# MCS Series Power Supply

## MULTIPLE 24 VAC POWER SUPPLY, INDOOR

### Product Features

- 2, 5, 10, or 20 A Capacities
- 4, 8, or 16 Outputs
- Fuse or Circuit Breaker Protection; Spare Fuses Included with Fused Models Only
- 120 VAC or 240 VAC Selectable Input
- 24 VAC Output or 28 VAC Output for Longer Wire Runs
- AC Power Indicator with Power On/Off Switch
- Compatible with Cameras, Domes, and Pan/Tilts
- Models with Circuit Breakers Have Class 2 Rated Outputs



MCS16-10

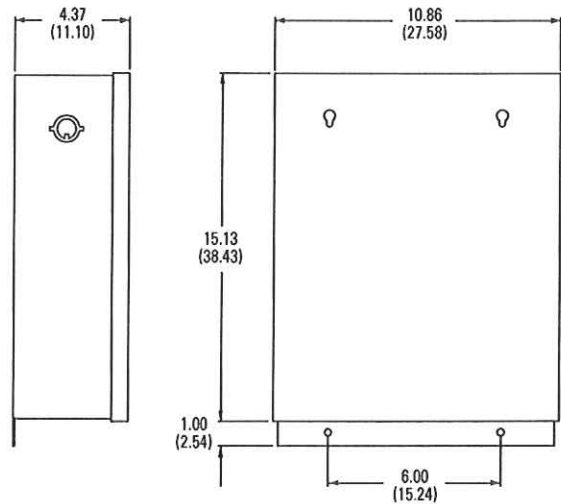
Power supplies in the **MCS Series** offer a variety of configurations for powering up to 16 units from a single power source.

The power supplies provide 24 VAC output for 4, 8, or 16 units. To compensate for voltage losses over long wire runs, 28 VAC outputs also are available on most models. The power supplies have a selectable input of 120 or 240 VAC and are packaged in an easy-to-install metal enclosure that has ample room for wiring connections and conduit entries.

For integrated systems such as Spectra® and Esprit®, the higher capacity models are capable of handling pan/tilt and receiver operation in addition to camera functions. (See product capacity chart.)

Models are available with either fuses or self-resetting circuit breakers on each output. Fused models provide a greater degree of protection for the camera because they are faster acting and more precise. Circuit breakers will self-reset when the fault is corrected, eliminating the need for replacing fuses. However, the amount of current required to trip a circuit breaker can vary as much as 100 percent depending on temperature. In the fused models, the values of fuses can be changed depending upon the specific current requirements of the equipment connected.

The **MCS16-10S**, **MCS16-10SB**, **MCS16-20S**, and **MCS16-20SB** are 16-output supplies that have individual power switches and LEDs on each output. This is a popular feature in larger systems where it is frequently necessary to power down individual units.



NOTE: VALUES IN PARENTHESES ARE CENTIMETERS; ALL OTHERS ARE INCHES.



by Schneider Electric



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# TECHNICAL SPECIFICATIONS

## MODELS

MCS4-2	Indoor multiple power supply, 120/240 VAC input. 4 fused 24 VAC outputs, total current capacity of 2 A (48 VA).
MCS4-2B	Same as MCS4-2 except has circuit breakers.
MCS8-5	Indoor multiple power supply, 120/240 VAC input. 8 fused 24/28 VAC outputs, total current capacity of 5 A (120 VA).
MCS8-5B	Same as MCS8-5B except has circuit breakers.
MCS16-10	Indoor multiple power supply, 120/240 VAC input. 16 fused 24/28 VAC outputs, total current capacity of 10 A (240 VA).
MCS16-10B	Same as MCS16-10 except has circuit breakers.
MCS16-10S	Same as MCS16-10 except each output has a power switch and power indication LED.
MCS16-10SB	Same as MCS16-10S except has circuit breakers.
MCS16-20	Indoor multiple camera power supply, 120/240 VAC input. 16 fused 24/28 VAC outputs, total current capacity of 20A (480 VA).
MCS16-20B	Same as MCS16-20 except has circuit breakers.
MCS16-20S	Same as MCS16-20 except each output has a power switch and power indication LED.
MCS16-20SB	Same as MCS16-20S except has circuit breakers.

### Product Capacity Chart

A partial list of compatible products and the number of units that may be powered by each power supply are listed below. Capacity is based on the VA rating of each product to be used with the power supply.

Product	Power Supply Model			
	MCS4-2/ 4-2B (48 VA)	MCS8-5/ 8-5B (120 VA)	MCS16-10/ 16-10B (240 VA)	MCS16-20/ 16-20B (480 VA)
CCD Camera (12 VA)	4	8	16	16
Indoor DF5 with camera (3 VA)	4	8	16	16
Indoor DF8 with camera (12 VA)	4	8	16	16
Indoor Spectra (25 VA)	1	4	8	16
Esprit (70 VA)	—	1	3	6

## MECHANICAL

Cable Entry 4 knockouts for either 1/2-inch (1.27 cm) or 3/4-inch (1.91 cm) conduit

## ELECTRICAL

Input Voltage 120 or 240 VAC, 50/60 Hz  
 Output Voltage  
 MCS4-2 24 VAC  
 All Other Models 24/28 VAC

Output Fuse/  
 Circuit Breaker Ratings  
 MCS4-2, MCS4-2B 1.5 A\*  
 All other models 3 A\*

Input Connectors Wire nut  
 Output Connectors Screw-type barrier strips; models with circuit breakers are suitable for Class 2 wiring  
 Input Wire Size 12-16 gauge solid wire  
 Output Wire Size 12-22 gauge solid or stranded wire  
 Recommended Wiring Distances See chart below

The following are the recommended maximum distances (transformer to load) and are calculated with a 10% voltage drop. (10% is generally the maximum allowable voltage drop for AC-powered devices.) Distances are calculated in feet; values in parentheses are meters.

### Recommended Wiring Distance Chart

Input Voltage	Total VA Consumed	Wire Gauge		
		20 AWG (0.5 mm <sup>2</sup> )	18 AWG (1.0 mm <sup>2</sup> )	16 AWG (1.5 mm <sup>2</sup> )
24 VAC	10	283 (86)	451 (137)	716 (218)
	20	141 (42)	225 (68)	358 (109)
	30	94 (28)	150 (45)	238 (72)
	50	56 (17)	90 (27)	143 (43)
28 VAC	10	386 (117)	614 (187)	975 (297)
	20	193 (58)	307 (93)	487 (148)
	30	128 (39)	204 (62)	325 (99)
	50	77 (23)	122 (37)	195 (59)

## GENERAL

Construction Steel  
 Finish Charcoal black polyester powder coat  
 Environment Indoor  
 Operating Temperature 32° to 120°F (0° to 49°C)  
 Weights Unit Shipping  
 MCS4-2 14.10 lb (6.40 kg) 17 lb (7.71 kg)  
 MCS4-2B 13.89 lb (6.30 kg) 17 lb (7.71 kg)  
 MCS8-5 17.05 lb (7.73 kg) 20 lb (9.07 kg)  
 MCS8-5B 16.85 lb (7.64 kg) 20 lb (9.07 kg)  
 MCS16-10 20.72 lb (9.40 kg) 24 lb (10.89 kg)  
 MCS16-10B 20.72 lb (9.40 kg) 24 lb (10.89 kg)  
 MCS16-10S 20.35 lb (9.23 kg) 23 lb (10.43 kg)  
 MCS16-10SB 20.48 lb (9.29 kg) 23 lb (10.43 kg)  
 MCS16-20 22.50 lb (10.21 kg) 26 lb (11.79 kg)  
 MCS16-20B 22.47 lb (10.19 kg) 26 lb (11.79 kg)  
 MCS16-20S 22.27 lb (10.10 kg) 25 lb (11.33 kg)  
 MCS16-20SB 22.28 lb (10.11 kg) 25 lb (11.33 kg)

## CERTIFICATIONS/RATINGS

- CE
- UL/cUL Listed
- Meets NEMA Type 1 standards

\*Individual output cannot exceed this rating, and the total of all outputs cannot exceed the overall rating of the power supply (see the Models section).

### Pelco, Inc. Worldwide Headquarters:

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STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

**MANDATE:** Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

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

**DEFINITIONS:**

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

**"Employer default"** means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

**"Related party"** means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: GRAYBAR ELECTRIC

Authorized Signature: [Signature] Date: 6-5-13

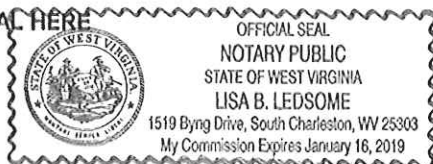
State of WV

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 5th day of June, 2013

My Commission expires Jan. 16, 2019.

AFFIX SEAL HERE



NOTARY PUBLIC

[Signature]  
Purchasing Affidavit (Revised 07/01/2012)