

RFP 2016-060

**JUVENILE DETENTION FACILITY
TOUCHSCREEN AND CAMERA
SYSTEM UPGRADE**

LEGAL NOTICE

By order of the Commissioners' Court of Collin County, Texas, sealed proposals will be received by the Purchasing Agent, 2300 Bloomdale, Suite 3160, McKinney, TX 75071, until **2:00 P.M., Thursday, January 28, 2016**, for Request For Proposal **Juvenile Detention Facility Touchscreen and Camera System Upgrade (RFP No. 2016-060)**. A **Mandatory Pre-Proposal** conference will be held **Thursday, January 7, 2016 at 1:00p.m.** at Collin County Juvenile Detention Center Lobby, 4700 Community Ave., McKinney, TX 75071. Proposers shall use lump sum pricing. Payment and Performance bonds are required for this project. Funds for payment have been provided through the Collin County budget approved by the Commissioner's Court for this fiscal year only. Proposers may obtain detailed specifications and other documents at Office of the Purchasing Agent: Collin County Administration Building, 2300 Bloomdale, Suite 3160, McKinney, TX 75071, 972-548-4165, or by going to: <https://collincountytx.ionwave.net>. Sealed proposals will be opened on **Thursday, January 28, 2016 at 2:00 P.M.** by the Purchasing Agent, 2300 Bloomdale, Suite 3160, McKinney, TX 75071. The Commissioners' Court reserves the right to reject any and all proposals.

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ATTENTION:	CLASSIFIEDS
BILL TO:	ACCOUNT NO 06100315-000
	COMMISSIONER'S COURT

NOTICE TO PUBLISHERS: Please publish in your issue on **Thursday, December 24, 2015** and **Thursday, December 31, 2015**. A copy of this notice and the publisher's affidavit must accompany the invoice when presented for payment.

NEWSPAPER:	<u>Plano Star Courier</u>
DATE:	<u>December 22, 2015</u>
FAX:	<u>972-529-1684</u>

Collin County, Texas

Bid Information

Bid Owner JD Griffin, CPPB Buyer II
Email jgriffin@co.collin.tx.us
Phone (972) 548-4116
Fax (972) 548-4694

Bid Number 2016-060
Title Juvenile Detention Facility
Touchscreen and Camera System
Upgrade

Bid Type RFP
Issue Date 12/22/2015
Close Date 1/28/2016 2:00:00 PM Central

Contact Information

Address 2300 Bloomdale Rd.
Ste. 3160
McKinney, TX 75071

Contact JD Griffin, CPPB Buyer II
Department Purchasing
Building Admin. Building
Floor/Room Ste.3160
Telephone (972) 548-4116
Fax (972) 548-4694
Email jgriffin@co.collin.tx.us

Ship to Information

Address 4700 Community Ave.
McKinney, TX 75071

Contact
Department
Building
Floor/Room
Telephone
Fax
Email

Supplier Information

Company Name _____
Contact Name _____
Address _____

Telephone _____
Fax _____
Email _____

Signature _____

Supplier Notes

Date ____ / ____ / ____

Bid Notes

Bid Activities

Date	Name	Description
1/7/2016 1:00:00 PM	Mandatory Pre-proposal conference	Location: Collin County Juvenile Detention Center Lobby, 4700 Community Ave., McKinney, TX 75071 All contractors desiring to submit a proposal should have a representative at the pre-proposal conference; contractors that do not attend the pre-proposal conference shall not be considered in the evaluation for award of a contract per Texas Local Government Code 262.0256.
1/22/2016 5:00:00 PM	Do you intend to submit a proposal?	

Bid Messages

Bid Attachments

The following attachments are associated with this opportunity and will need to be retrieved separately

Line	Filename	Description
Header	LEGAL NOTICE-2016-060.doc	Legal Notice

Header	General Instructions_Proposals.docx	General Instructions_Proposals
Header	Terms_of_Contract_Proposals.docx	Terms of Contract_Proposals
Header	3.0 Insurance .doc	Insurance
Header	RFP 2016-060_Specifications.docx	Specifications
Header	Attachment A-Pricing Sheet.xlsx	Attachment A-Pricing Sheet
Header	Attachment B-Prevailing Wage Rates.docx	Attachment B
Header	Attachment C-Camera List.xlsx	Attachment C
Header	Attachment D-Cluster Control Desk Measurements.pdf	Attachment D
Header	Attachment E-Building Control Floorplan.pdf	Attachment E
Header	Attachment F-Touchscreen Equipment List.xlsx	Attachment F
Header	Attachment G-Camera System Equipment List.xlsx	Attachment G
Header	Attachment H-Camera Locations.pdf	Attachment H
Header	Attachment I.pdf	Attachment I
Header	Attachment J-Camera Spec.pdf	Attachment J
Header	Attachment K-Power Supply Spec.pdf	Attachment K
Header	Attachment L-Data Interface Spec.pdf	Attachment L
Header	Payment Bond.pdf	Payment Bond
Header	Performance Bond.pdf	Performance Bond
Header	CIQ-New-2015 (1).pdf	Conflict of Interest Questionnaire_2015
Header	W9_2014.pdf	W-9

Bid Attributes

Please review the following and respond where necessary

#	Name	Note	Response
1	Exceptions	Do you take exceptions to the specifications. If so, by separate attachment, please state your exceptions. Valid Responses: [Please Select], Yes, No	_____ (Required)
2	Insurance	I understand that the insurance requirements of this Quote/IFB/RFP/SOQ are required and a certificate of insurance shall be submitted to the Purchasing department if I am awarded all or a portion of the resulting contract.	_____ (Required)

Please initial.

3 Cooperative Contracts _____ (Required)
As permitted under Title 8, Chapter 271, Subchapter F, Section 271.101 and 271.102 V.T.C.A. and Title 7, Chapter 791, Subchapter C, Section 791.025, V.T.C.A., other local governmental entities may wish to also participate under the same terms and conditions contained in this contract. Each entity wishing to participate must enter into an inter-local agreement with Collin County and have prior authorization from vendor. If such participation is authorized, all purchase orders will be issued directly from and shipped directly to the local governmental entity requiring supplies/services. Collin County shall not be held responsible for any orders placed, deliveries made or payment for supplies/services ordered by these entities. Each entity reserves the right to determine their participation in this contract.

Would bidder be willing to allow other local governmental entities to participate in this contract, if awarded, under the same terms and conditions?

Valid Responses: [Please Select], Yes, No

4 Preferential Treatment _____ (Required)
The County of Collin, as a governmental agency of the State of Texas, may not award a contract to a nonresident bidder unless the nonresident's bid is lower than the lowest bid submitted by a responsible Texas resident bidder by the same amount that a Texas resident bidder would be required to underbid a nonresident bidder to obtain a comparable contract in the state in which the nonresident's principal place of business is located (Government Code, Title 10, V.T.C.A., Chapter 2252, Subchapter A).

1. Is your principal place of business in the State of Texas?

2. If your principal place of business is not in Texas, in which State is your principal place of business?

3. If your principal place of business is not in Texas, does your state favor resident bidders (bidders in your state) by some dollar increment or percentage?

4. If your state favors resident bidders, state by what dollar amount or percentage.

5 Debarment Certification _____ (Required)
I certify that neither my company nor an owner or principal of my company has been debarred, suspended or otherwise made ineligible for participation in Federal Assistance programs under Executive Order 12549, "Debarment and Suspension," as described in the Federal Register and Rules and Regulations.

Please initial.

6 Immigration and Reform Act _____ (Required)
I declare and affirm that my company is in compliance with the Immigration and Reform Act of 1986 and all employees are legally eligible to work in the United States of America.

I further understand and acknowledge that any non-compliance with the Immigration and Reform Act of 1986 at any time during the term of this contract will render the contract voidable by Collin County.

Please initial.

- 7 Disclosure of Certain Relationships Chapter 176 of the Texas Local Government Code _____ (Required)
 requires that any vendor considering doing business with a local government entity disclose the vendor's affiliation or business relationship that might cause a conflict of interest with a local government entity. Subchapter 6 of the code requires a vendor to file a conflict of interest questionnaire (CIQ) if a conflict exists. By law this questionnaire must be filed with the records administrator of Collin County no later than the 7th business day after the date the vendor becomes aware of an event that requires the statement to be filed. A vendor commits an offense if the vendor knowingly violates the code. An offense under this section is a misdemeanor.
- By submitting a response to this request, the vendor represents that it is in compliance with the requirements of Chapter 176 of the Texas Local Government Code.
- Please send completed forms to the Collin County County Clerk's Office located at 2300 Bloomdale Rd., Suite 2104, McKinney, TX 75071.
- Please initial.
- 8 Bidder Survey In order to better serve our bidders, the Collin County Purchasing Department is conducting the following survey. _____ (Required)
 We appreciate your time and effort expended to submit your bid. Should you have any questions or require more information please call (972) 548-4165.
- How did you receive notice of this request?
 Valid Responses: [Please Select], Plano Star Courier, Plan Room, Collin County eBid Notification, Collin County Website
- 9 Subcontractors State the business name of all subcontractors and the type of work they will be performing under this contract. _____ (Required)
 If you are fully qualified to self-perform the entire contract, please respond with "Not Applicable-Self Perform".
- 10 Reference No. 1 List a company or governmental agency where these same/like products /services, as stated herein, have been provided. _____ (Required)
 Include the following: Company/Entity, Contact, Address, City/State/Zip, Phone, and E-Mail.
- 11 Reference No. 2 List a company or governmental agency where these same/like products /services, as stated herein, have been provided. _____ (Required)
 Include the following: Company/Entity, Contact, Address, City/State/Zip, Phone, and E-Mail.
- 12 Reference No. 3 List a company or governmental agency where these same/like products /services, as stated herein, have been provided. _____ (Required)
 Include the following: Company/Entity, Contact, Address, City/State/Zip, Phone, and E-Mail.

13 Proposer Acknowledgement

Proposer acknowledges, understands the specifications, _____ (Required) any and all addenda, and agrees to the proposal terms and conditions and can provide the minimum requirements stated herein. Offeror acknowledges they have read the document in its entirety, visited the site, performed investigations and verifications as deemed necessary, is familiar with local conditions under which work is to be performed and will be responsible for any and all errors in Proposal submittal resulting from Proposer's failure to do so. Proposer acknowledges the prices submitted in this Proposal have been carefully reviewed and are submitted as correct and final. If Proposal is accepted, vendor further certifies and agrees to furnish any and all products/services upon which prices are extended at the price submitted, and upon conditions in the specifications of the Request for Proposal.

Please initial.

Line Items

#	Qty	UOM	Description	Response
1	1	lot	State Project Total with Option 1-CCTV Camera & Monitor System (Line 68, Attachment A-Pricing Sheet.	\$_____

Item Notes: Only one option will be awarded.

Supplier Notes: _____

2	1	lot	State Project Total with Option 2-CCTV Camera & Monitor System (Line 69, Attachment A-Pricing Sheet)	\$_____
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Item Notes: Only one option will be awarded.

Supplier Notes: _____

1.0 GENERAL INSTRUCTIONS

1.0.1 Definitions

1.0.1.1 Offeror: refers to submitter.

1.0.1.2 Vendor/Contractor/Provider: refers to a Successful Vendor/Contractor/Service Provider.

1.0.1.3 Submittal: refers to those documents required to be submitted to Collin County, by an Offeror.

1.0.1.4 RFP: refers to Request for Proposal.

1.0.1.5 CSP: refers to Competitive Sealed Proposal

1.1 If Offeror does not wish to submit an offer at this time, please submit a No Bid.

1.2 Awards shall be made not more than ninety (90) days after the time set for opening of submittals.

1.3 Collin County is always conscious and extremely appreciative of your time and effort in preparing your submittal.

1.4 Collin County exclusively uses ionWave Technologies, Inc. (Collin County eBid) for the notification and dissemination of all solicitations. The receipt of solicitations through any other company may result in your receipt of incomplete specifications and/or addendums which could ultimately render your bid non-compliant. Collin County accepts no responsibility for the receipt and/or notification of solicitations through any other company.

1.5 A submittal may not be withdrawn or canceled by the offeror prior to the ninety-first (91st) day following public opening of submittals and only prior to award.

1.6 It is understood that Collin County, Texas reserves the right to accept or reject any and/or all Proposals/Submittals for any or all products and/or services covered in a Request For Proposal (RFP) and Competitive Sealed Proposal (CSP), and to waive informalities or defects in submittals or to accept such submittals as it shall deem to be in the best interest of Collin County.

1.7 All RFP's and CSP's submitted in hard copy paper form shall be submitted in a sealed envelope, plainly marked on the outside with the RFP/CSP number and name. A hard copy paper form submittal shall be manually signed in ink by a person having the authority to bind the firm in a contract. Submittals shall be mailed or hand delivered to the Collin County Purchasing Department.

1.8 No oral, telegraphic or telephonic submittals will be accepted. RFP's and CSP's may be submitted in electronic format via Collin County eBid.

1.9 All Request for Proposals (RFP) and Competitive Sealed Proposals (CSP) submitted electronically via Collin County eBid shall remain locked until official date and time of opening as stated in the Special Terms and Conditions of the RFP and/or CSP.

1.10 Time/date stamp clock in Collin County Purchasing Department shall be the official time of receipt for all Request for Proposals (RFP) and Competitive Sealed Proposals (CSP) submitted in hard copy paper form. RFP's, and CSP's received in the Collin County Purchasing Department after submission deadline shall be considered void and unacceptable. Absolutely no late submittals will be considered. Collin County accepts no responsibility for technical difficulties related to electronic submittals.

1.11 For hard copy paper form submittals, any alterations made prior to opening date and time must be initialed by the signer of the RFP/CSP, guaranteeing authenticity. Submittals cannot be altered or amended after submission deadline.

1.12 Collin County is by statute exempt from the State Sales Tax and Federal Excise Tax; therefore, the prices submitted shall not include taxes.

1.13 Any interpretations, corrections and/or changes to a Request for Proposal or Competitive Sealed Proposal and related Specifications or extensions to the opening/receipt date will be made by addenda to the respective document by the Collin County Purchasing Department. Questions and/or clarification requests must be submitted no later than seven (7) days prior to the opening/receipt date. Those received at a later date may not be addressed prior to the public opening. Sole authority to authorize addenda shall be vested in Collin County Purchasing Agent as entrusted by the Collin County Commissioners' Court. Addenda may be transmitted electronically via Collin County eBid.

1.13.1 Addenda will be transmitted to all that are known to have received a copy of the RFP/CSP and related Specifications. However, it shall be the sole responsibility of the Bidder/Quoter/Offeror to verify issuance/non-issuance of addenda and to check all avenues of document availability (i.e. **Collin County eBid** <https://collincountytexas.ionwave.net/>, telephoning Purchasing Department directly, etc.) prior to opening/receipt date and time to insure Offeror's receipt of any addenda issued. Offeror shall acknowledge receipt of all addenda.

1.14 All materials and services shall be subject to Collin County approval.

1.15 Collin County reserves the right to make award in whole or in part as it deems to be in the best interest of the County.

1.16 Any reference to model/make and/or manufacturer used in specifications is for descriptive purposes only. Products/materials of like quality will be considered.

1.17 Offerors taking exception to the specifications shall do so at their own risk. By offering substitutions, Offeror shall state these exceptions in the section provided in the RFP/CSP or by attachment. Exception/substitution, if accepted, must meet or exceed specifications stated therein. Collin County reserves the right to accept or reject any and/or all of the exception(s)/substitution(s) deemed to be in the best interest of the County.

1.18 Minimum Standards for Responsible Prospective Offerors: A prospective Offeror must meet the following minimum requirements:

1.18.1 have adequate financial resources, or the ability to obtain such resources as required;

1.18.2 be able to comply with the required or proposed delivery/completion schedule;

1.18.3 have a satisfactory record of performance;

1.18.4 have a satisfactory record of integrity and ethics;

1.18.5 be otherwise qualified and eligible to receive an award.

Collin County may request documentation and other information sufficient to determine Offeror's ability to meet these minimum standards listed above.

1.20 Vendor shall bear any/all costs associated with its preparation of a RFP/CSP submittal.

1.21 Public Information Act: Collin County is governed by the Texas Public Information Act, Chapter 552 of the Texas Government Code. All information submitted by prospective bidders during the bidding process is subject to release under the Act.

1.22 The Offeror shall comply with Commissioners' Court Order No. 2004-167-03-11, County Logo Policy.

1.23 Interlocal Agreement: Successful bidder agrees to extend prices and terms to all entities that has entered into or will enter into joint purchasing interlocal cooperation agreements with Collin County.

1.24 Bid Openings: All bids submitted will be read at the county's regularly scheduled bid opening for the designated project. However, the reading of a bid at bid opening should be not construed as a comment on the responsiveness of such bid or as any indication that the county accepts such bid as responsive.

The county will make a determination as to the responsiveness of bids submitted based upon compliance with all applicable laws, Collin County Purchasing Guidelines, and project documents, including but not limited to the project specifications and contract documents. The county will notify the successful bidder upon award of the contract and, according to state law; all bids received will be available for inspection at that time.

2.0 TERMS OF CONTRACT

2.1 A proposal, when properly accepted by Collin County, shall constitute a contract equally binding between the Vendor/Contractor/Provider and Collin County. No different or additional terms will become part of this contract with the exception of an Amendment.

2.2 No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All Amendments to the contract will be made in writing by Collin County Purchasing Agent.

2.3 No public official shall have interest in the contract, in accordance with Vernon's Texas Codes Annotated, Local Government Code Title 5, Subtitle C, Chapter 171.

2.4 The Vendor/Contractor/Provider shall comply with Commissioners' Court Order No. 96-680-10-28, Establishment of Guidelines & Restrictions Regarding the Acceptance of Gifts by County Officials & County Employees.

2.5 Design, strength, quality of materials and workmanship must conform to the highest standards of manufacturing and engineering practice.

2.6 Proposals must comply with all federal, state, county and local laws concerning the type(s) of product(s)/service(s)/equipment/project(s) contracted for, and the fulfillment of all ADA (Americans with Disabilities Act) requirements.

2.7 All products must be new and unused, unless otherwise specified, in first-class condition and of current manufacture. Obsolete products, including products or any parts not compatible with existing hardware/software configurations will not be accepted.

2.8 Vendor/Contractor/Provider shall provide any and all notices as may be required under the Drug-Free Work Place Act of 1988, 28 CFR Part 67, Subpart F, to its employees and all sub-contractors to insure that Collin County maintains a drug-free work place.

2.9 Vendor/Contractor/Provider shall defend, indemnify and save harmless Collin County and all its officers, agents and employees and all entities, their officers, agents and employees who are participating in this contract from all suits, claims, actions, damages (including personal injury and or property damages), or demands of any character, name and description, (including attorneys' fees, expenses and other defense costs of any nature) brought for or on account of any injuries or damages received or sustained by any person, persons, or property on account of Vendor/Contractor/Provider's breach of the contract arising from an award, and/or any negligent act, error, omission or fault of the Vendor/Contractor/Provider, or of any agent, employee, subcontractor or supplier of Vendor/Contractor/Provider in the execution of, or performance under, any contract which may result from an award. Vendor/Contractor/Provider shall pay in full any judgment with costs, including attorneys' fees and expenses which are rendered against Collin County and/or participating entities arising out of such breach, act, error, omission and/or fault.

2.10 Expenses For Enforcement. In the event either Party hereto is required to employ an attorney to enforce the provisions of this Agreement or is required to commence legal proceedings to enforce the provisions hereof, the prevailing Party shall be entitled to recover from the other, reasonable attorney's fees and court costs incurred in connection with such enforcement, including collection.

2.11 If a contract, resulting from a Collin County RFP/CSP is for the execution of a public work, the following shall apply:

2.11.1 In accordance with V.T.C.A. 2253.021, a governmental agency that makes a public work contract with a prime contractor shall require the contractor, before beginning work, to execute to the governmental entity a Payment Bond if the contract is in excess of \$25,000.00. Such bond shall be in the amount of the contract payable to the governmental entity and must be executed by a corporate surety in accordance with Section 1, Chapter 87, Acts of the 56th Legislature, Regular Session, 1959 (Article 7.19-1 Vernon's Texas Insurance Code).

2.11.2 In accordance with V.T.C.A. 2253.021, a governmental agency that makes a public work contract with a prime contractor shall require the contractor, before beginning work, to execute to the governmental entity a Performance Bond if the contract is in excess of \$100,000.00. Such bond shall be in the amount of the contract payable to the governmental entity and must be executed by a corporate surety in accordance with Section 1, Chapter 87, Acts of the 56th Legislature, Regular Session, 1959 (Article 7.19-1 Vernon's Texas Insurance Code).

2.12 Purchase Order(s) shall be generated by Collin County to the vendor. Collin County will not be responsible for any orders placed/delivered without a valid purchase order number.

2.12 The contract shall remain in effect until any of the following occurs: delivery of product(s) and/or completion and acceptance by Collin County of product(s) and/or service(s), contract expires or is terminated by either party with thirty (30) days written notice prior to cancellation and notice must state therein the reasons for such cancellation. Collin County reserves the right to terminate the contract immediately in the event the Vendor/Contractor/Provider fails to meet delivery or completion schedules, or otherwise perform in accordance with the specifications. Breach of contract or default authorizes the County to purchase elsewhere and charge the full increase in cost and handling to the defaulting Vendor/Contractor/Provider.

2.13 Collin County Purchasing Department shall serve as Contract Administrator or shall supervise agents designated by Collin County.

2.14 All delivery and freight charges (FOB Inside delivery at Collin County designated locations) are to be included as part of the proposal price. All components required to render the item complete, installed and operational shall be included in the total proposal price. Collin County will pay no additional freight/delivery/installation/setup fees.

2.15 Vendor/Contractor/Provider shall notify the Purchasing Department immediately if delivery/completion schedule cannot be met. If delay is foreseen, the Vendor/Contractor/Provider shall give written notice to the Purchasing Agent. The County has the right to extend delivery/completion time if reason appears valid.

2.16 The title and risk of loss of the product(s) shall not pass to Collin County until Collin County actually receives and takes possession of the product(s) at the point or points of delivery. Collin County shall generate a purchase order(s) to the Vendor/Contractor/Provider and the purchase order number must appear on all itemized invoices.

2.17 Invoices shall be mailed directly to the Collin County Auditor's Office, 2300 Bloomdale Road, Suite 3100, McKinney, Texas 75071. All invoices shall show:

2.17.1 Collin County Purchase Order Number;

2.17.2 Vendor's/Contractor's/Provider's Name, Address and Tax Identification Number;

- 2.17.3 Detailed breakdown of all charges for the product(s) and/or service(s) including applicable time frames.
- 2.18 Payment will be made in accordance with V.T.C.A., Government Code, Title 10, Subtitle F, Chapter 2251.
- 2.19 All warranties shall be stated as required in the Uniform Commercial Code.
- 2.20 The Vendor/Contractor/Provider and Collin County agree that both parties have all rights, duties, and remedies available as stated in the Uniform Commercial Code.
- 2.21 The Vendor/Contractor/Provider agree to protect Collin County from any claims involving infringements of patents and/or copyrights.
- 2.22 The contract will be governed by the laws of the State of Texas. Should any portion of the contract be in conflict with the laws of the State of Texas, the State laws shall invalidate only that portion. The remaining portion of the contract shall remain in effect. The contract is performable in Collin County, Texas.
- 2.23 The Vendor/Contractor/Provider shall not sell, assign, transfer or convey the contract, in whole or in part, without the prior written approval from Collin County.
- 2.24 The apparent silence of any part of the specification as to any detail or to the apparent omission from it of a detailed description concerning any point, shall be regarded as meaning that only the best commercial practices are to prevail. All interpretations of the specification shall be made on the basis of this statement.
- 2.25 Vendor/Contractor/Provider shall not fraudulently advertise, publish or otherwise make reference to the existence of a contract between Collin County and Vendor/Contractor/Provider for purposes of solicitation. As exception, Vendor/Contractor/Provider may refer to Collin County as an evaluating reference for purposes of establishing a contract with other entities.
- 2.26 The Vendor/Contractor/Provider understands, acknowledges and agrees that if the Vendor/Contractor/Provider subcontracts with a third party for services and/or material, the primary Vendor/Contractor/Provider (awardee) accepts responsibility for full and prompt payment to the third party. Any dispute between the primary Vendor/Contractor/Provider and the third party, including any payment dispute, will be promptly remedied by the primary vendor. Failure to promptly render a remedy or to make prompt payment to the third party (subcontractor) may result in the withholding of funds from the primary Vendor/Contractor/Provider by Collin County for any payments owed to the third party.
- 2.27 Vendor/Contractor/Provider shall provide Collin County with diagnostic access tools at no additional cost to Collin County, for all Electrical and Mechanical systems, components, etc., procured through this contract.
- 2.28 Criminal History Background Check: If required, ALL individuals may be subject to a criminal history background check performed by the Collin County's Sheriff's Office prior to access being granted to Collin County. Upon request, Vendor/Contractor/Provider shall provide list of individuals to Collin County Purchasing Department within five (5) working days.
- 2.29 Non-Disclosure Agreement: Where applicable, vendor shall be required to sign a non-disclosure agreement acknowledging that all information to be furnished is in all respects confidential in nature, other than information which is in the public domain through other means and that any disclosure or use of same by vendor, except as provided in the contract/agreement, may cause serious harm or

damage to Collin County. Therefore, Vendor agrees that Vendor will not use the information furnished for any purpose other than that stated in contract/agreement, and agrees that Vendor will not either directly or indirectly by agent, employee, or representative disclose this information, either in whole or in part, to any third party, except on a need to know basis for the purpose of evaluating any possible transaction. This agreement shall be binding upon Collin County and Vendor, and upon the directors, officers, employees and agents of each.

2.30 Vendors/Contractors/Providers must be in compliance with the Immigration and Reform Act of 1986 and all employees specific to this solicitation must be legally eligible to work in the United States of America.

2.31 Certification of Eligibility: This provision applies if the anticipated Contract exceeds \$100,000.00 and as it relates to the expenditure of federal grant funds. By submitting a bid or proposal in response to this solicitation, the Offeror certifies that at the time of submission, he/she is not on the Federal Government's list of suspended, ineligible, or debarred contractors. In the event of placement on the list between the time of proposal submission and time of award, the Offeror will notify the Collin County Purchasing Agent. Failure to do so may result in terminating this contract for default.

2.32 Notice to Vendors/Contractors/Providers delivering goods or performing services within the Collin County Detention Facility: The Collin County Detention Facility houses persons who have been charged with and/or convicted of serious criminal offenses. When entering the Detention Facility, you could: (1) hear obscene or graphic language; (2) view partially clothed male inmates; (3) be subjected to verbal abuse or taunting; (4) risk physical altercations or physical contact, which could be minimal or possibly serious; (5) be exposed to communicable or infectious diseases; (6) be temporarily detained or prevented from immediately leaving the Detention Facility in the case of an emergency or "lockdown"; and (7) subjected to a search of your person or property. While the Collin County Sheriff's Office takes every reasonable precaution to protect the safety of visitors to the Detention Facility, because of the inherently dangerous nature of a Detention Facility and the type of the persons incarcerated therein, please be advised of the possibility of such situations exist and you should carefully consider such risks when entering the Detention Facility. By entering the Collin County Detention Facility, you acknowledge that you are aware of such potential risks and willingly and knowingly choose to enter the Collin County Detention Facility.

2.33 Delays and Extensions of Time when applicable:

2.33.1 If the Vendor/Contractor/Provider is delayed at any time in the commence or progress of the Work by an act or neglect of the Owner or Architect/Engineer, or of an employee of either, or of a separate contractor employed by the Owner, or by changes ordered in the Work, or by labor disputes, fire, unusual delay in deliveries, unavoidable casualties or other causes beyond the Vendor/Contractor/Provider's control, or by delay authorized by the Owner pending mediation and arbitration, or by other causes which the Owner or Architect/Engineer determines may justify delay, then the Contract Time shall be extended by Change Order for such reasonable time as the Owner/Architect/Engineer may determine.

2.33.2 If adverse weather conditions are the basis for a Claim for additional time, such Claim shall be documented by data substantiating that weather conditions were abnormal for the period of time and could not have been reasonably anticipated, and that the weather conditions had an adverse effect on the scheduled construction.

NOTE: All other terms and conditions (i.e. Insurance Requirements, Bond Requirements, etc.) shall be stated in the individual RFP/CSP Solicitation documents as Special Terms, Conditions and Specifications.

3.0 INSURANCE REQUIREMENTS

3.1 Before commencing work, the vendor shall be required, at its own expense, to furnish the Collin County Purchasing Agent with certified copies of all insurance certificate(s) indicating the coverage to remain in force throughout the term of this contract.

3.1.1 **Commercial General Liability** insurance including but not limited to the coverage indicated below. Coverage shall not exclude or limit Products/Completed Operations, Contractual Liability, or Cross Liability.

- Each Occurrence: \$1,000,000
- Personal & Adv Injury: \$1,000,000
- Products/Completed Operation: \$1,000,000
- General Aggregate: \$2,000,000

3.1.2 **Workers Compensation** insurance as required by the laws of Texas, and Employers' Liability.

Employers' Liability

- Liability, Each Accident: \$500,000
- Disease-Each Employee: \$500,000
- Disease – Policy Limit: \$500,000

3.1.3 **Commercial Automobile Liability** insurance including owned, non-owned, and hired vehicles used in connection with the contract.

- Combined Single Limit – Each Accident: \$1,000,000

3.1.4 **Professional/Errors & Omissions Liability** insurance with a two (2) year extended period of coverage, (i.e. tail coverage). If you choose to have project coverage endorsed onto your base policy, this would be acceptable.

- Each Occurrence/Aggregate: \$1,000,000

3.1.5 **Umbrella/Excess Liability** insurance.

- Each Occurrence/Aggregate: \$1,000,000

3.2 With reference to the foregoing insurance requirement, the vendor shall endorse applicable insurance policies as follows:

3.2.1 A waiver of subrogation in favor of Collin County, its officials, employees, volunteers and officers shall be for General Liability, Commercial Automobile Liability and Workers' Compensation..

3.2.2 The vendor's insurance coverage shall name Collin County as additional insured under the General Liability policy.

3.2.3 All insurance policies shall be endorsed to require the insurer to immediately notify Collin County of any decrease in the insurance coverage limits.

3.2.4 All insurance policies shall be endorsed to the effect that Collin County will receive at least thirty (30) days notice prior to cancellation, non-renewal or termination of the policy.

3.2.5 All copies of Certificates of Insurance shall reference the project/contract number.

3.3 All insurance shall be purchased from an insurance company that meets the following requirements:

3.3.1 A financial rating of A+VII or better as assigned by the BEST Rating Company or equivalent.

3.4 Certificates of Insurance shall be prepared and executed by the insurance company or its authorized agent, and shall contain provisions representing and warranting the following:

3.4.1 Sets forth all endorsements and insurance coverages according to requirements and instructions contained herein.

3.4.2 Sets forth the notice of cancellation or termination to Collin County.

4.0 EVALUATION CRITERIA AND FACTORS

4.1 The award of the contract shall be made to the responsible offeror, whose proposal is determined to be the best evaluated offer resulting from negotiation, taking into consideration the relative importance of price and other factors set forth in the Request For Proposals in accordance with Vernon's Texas Code Annotated, Local Government 262.030.

The Evaluation Committee will review all proposals received by the Opening date and time as part of a documented evaluation process. For each decision point in the process, the County will evaluate contractors according to specific criteria and will elevate a certain number of contractors to compete against each other. The proposals will be evaluated on the following criteria.

The County will use a competitive process based upon "selection levels." The County recognizes that if a contractor fails to meet expectations during any part of the process, it reserves the right to proceed with the remaining contractors or to elevate a contractor that was not elevated before. The selection levels are described in the following sections.

Level 1 - Conformance with Mandatory Technical Requirements

Criteria assessed during Level 1:

- Five years' experience installing detention controls
- Five years' experience installing surveillance systems in detention facilities
- Five years' experience installing Bosch surveillance systems

The first part of the elevation process is to validate the completeness of the proposal and ensure that all the RFP guidelines and submittal requirements are met. Those offerors who do not meet all the requirements for the RFP may, at the discretion of the County, be contacted to submit the missing information within two business days. Incomplete or noncompliant RFPs may be disqualified.

Level 2 – Detailed Proposal Assessment

The Evaluation Committee will conduct a detailed assessment of all proposals elevated to this Level. Criteria evaluated in Level 2:

10%	Work Plan and Schedule
10%	Warranty/Maintenance
20%	Qualifications of Firm
20%	References/Comparable Experience
40%	Cost

It is anticipated that no more than three contractors will advance to Level 3 but Collin County reserves the right to adjust the number as necessary.

Level 3 –Best and Final Offer

Offerors who are susceptible of receiving award will be elevated to Level 3 for Best and Final Offer. Offeror will be asked to respond in writing to issues and questions raised by the County as well as any other cost and implementation planning considerations in the proposal, and may be invited to present their responses on-site. Proposals will be re-evaluated based upon Criteria in level 2.

Based on the result of the Best and Final Offer evaluation, a single offeror will be identified as the finalist for contract negotiations. If a contract cannot be reached after a period of time deemed reasonable by the County, it reserves the right to contact any of the other contractors that have submitted proposals and enter into negotiations with them.

5.0 SPECIAL CONDITIONS AND SCOPE OF SERVICES

5.1 Authorization: By order of the Commissioners' Court of Collin County, Texas sealed proposals will be received for Juvenile Detention Facility Touchscreen and Camera System Upgrade.

5.2 Intent of Request for Proposal: Collin County's intent of this Request For Proposal (RFP) and resulting contract is to provide offerors with sufficient information to prepare a proposal for equipment and installation for Juvenile Detention Facility Touchscreen and Camera System Upgrade.

5.3 Term: Provide for a contract commencing on the date of the award and continuing until project is complete.

5.4 Pre-Proposal Conference: A **mandatory** pre-proposal conference will be held on Thursday, January 7, 2016 at 1:00 p.m. at Collin County Juvenile Detention, 4700 Community Ave., McKinney, TX 75071. It is the offeror's responsibility to review the site and documents to gain a full understanding of the requirements of the RFP. All contractors desiring to submit a proposal should have a representative at the pre-proposal conference; contractors that do not attend the pre-proposal conference shall not be considered in the evaluation for award of a contract per Texas Local Government Code 262.0256.

5.5 Funding: Funds for payment have been provided through the current budget. State of Texas statutes prohibit the County from any obligation of public funds beyond the fiscal year for which a budget has been approved. Therefore, anticipated orders or other obligations that rise past the end of the current Collin County fiscal year shall be subject to budget approval.

5.6 Completion/Response Time: Contractor shall place product(s) and/or complete services at the County's designated location within the number of calendar days according to the schedule proposed by offeror in section 6.5.

5.7 Delivery/Setup/Installation Location: Locations for delivery and installation will be stated on the Collin County Purchase Order(s). Delivery shall include assembly, setup and installation and shall be included in proposal. Below is the address for work to be completed.

Collin County Juvenile Detention
4700 Community Ave.
McKinney, TX 75071

5.8 Samples/Demos: When requested, samples/demos shall be furnished free of expense to Collin County.

5.9 Background Check: All Contractor employees that will be working on site or by VPN shall pass a background check performed by Collin County before any work may be performed.

5.10 Subcontractors: Offeror shall state names of all subcontractors and the type of work they will be performing. If an offeror fails to specify a subcontractor, then he shall be deemed to have agreed that he is fully qualified to perform the contract himself, and that he will fully perform the contract himself.

No offeror whose proposal is accepted shall (a) substitute any subcontractor, or (b) permit a subcontract to be voluntarily assigned or transferred or allow it to be performed by anyone other than the original subcontractor listed in the original proposal without approval in writing from the Collin County Purchasing Department.

The successful offeror further agrees that Collin County and its agents, servants and employees shall not be liable for any loss or damage resulting from personal injury, physical loss, harassment of or discrimination against employee or other violations of the provisions of this contract occasioned by the acts or omissions of the successful offeror's sub-contractors, their agents or employees. The indemnification provisions of this contract shall apply to all sub-contractors.

5.11 Bonds: In accordance with V.T.C.A. 2253.021, a governmental agency that makes a public work contract with a prime contractor shall require the contractor, before beginning work, to execute to the governmental entity a Payment Bond if the contract is in excess of \$25,000.00 and a Performance Bond if the contract is in excess of \$100,000.00. Such bond shall be in the amount of the contract payable to the governmental entity and must be executed by a corporate surety in accordance with Section 1, Chapter 87, Acts of the 56th Legislature, Regular Session, 1959 (Article 7.19-1 Vernon's Texas Insurance Code).

5.12 Wage Scale: In accordance with The Texas Government Code, Title 10, Chapter 2258, Prevailing Wage Rates, the general prevailing wage rate has been determined for this locality for the craft or type of workman needed to execute work of a similar character of the project listed herein. The Contractor shall pay the prevailing wage rate in this locality to all his/her employees and subcontractors performing work on this project, and in no event shall the Contractor pay less than the rate shown in the following schedule. Reference Attachment B for current prevailing wage rates.

5.13 PROPOSAL SCHEDULE

RFP released:	December 22, 2015
Pre-Proposal Conference:	January 7, 2016 at 1:00 p.m.
Deadline for submission of contractor questions:	January 19, 2016 at 5:00p.m.
Proposals due:	January 28, 2016 at 2:00p.m.
Award of Contract:	March 2016
Effective date of contract:	Upon award

5.14 Purpose/Scope Of Work: Collin County is looking to upgrade the existing Juvenile Detention Facility Door Monitoring and Control System to a Touchscreen System and upgrade the existing Surveillance System CCTV Cameras and Monitors.

5.15 Project Requirements and Clarifications:

5.15.1 The staging for the project will take place per each CLUSTER, one at a time, from start to completion. Once a POD is completed, work on the next POD can begin. Repeat this process until the project is complete.

5.15.2 Contractor is responsible for all field verification of actual site conditions and dimensions. Verify quantity of areas that require sealant and tops in this scope. Approximate dimensions listed are provided for information purposes only and are not intended to be a materials list. The contractor is responsible for verification of scope, labor and materials prior to submitting a proposal.

5.15.3 All screws, anchors, sealants and fasteners shall be detention grade to match the existing finishes.

5.15.4 A fulltime escort by a Facilities Technician or Detention Officer shall be required while contractor is working onsite.

5.15.6 County will provide paint codes and manufacturer for the contractor to purchase the paint.

5.15.7 Contractor shall not have onsite storage or office space available.

5.15.8 Contractor shall be responsible for removing and hauling away all trash and removed materials daily. Contractor shall not use County dumpsters.

5.15.9 All work shall be scheduled with the following time and day restrictions for the required escorts: Monday through Friday from 7:00 AM to 4:00 PM (With one hour mandatory break).

5.15.10 All areas where work is performed shall be cleaned to the previous condition.

5.15.11 Collin County Employees shall not sign for or be responsible for material/equipment that is drop-shipped to the job site by the contractor.

5.15.12 Contractor shall provide minimum of one foreman level personnel onsite at all times to ensure that contract requirements, project coordination and project quality control are met.

5.15.13 A tool list shall be required each time contractor enters the facility. A job box may be left onsite if the box can be locked.

5.16 Touchscreen System Upgrade Requirements:

5.16.1 The Collin County Juvenile Detention Facility has four detention control panel locations which are used to control and monitor the detention doors, building intercoms and utility controls. The contractor shall remove all existing detention controls and related control panels; replace the four (4) work station counter tops with phenolic counter tops; remove two (2) base cabinets from Building Control; and then replace the current detention controls, door control boards, intercom boards and other controls with five (5) Touchscreen Control Stations.

5.16.2 The contractor shall provide all necessary labor, equipment, components, wiring, software and license to provide a complete and functional system.

5.16.3 The contractor shall use the existing wiring to each location and install new door and intercom boards for all devices. The contractor shall reroute the wiring for the devices and controls while installing the new counter tops.

5.16.4 The integrator shall provide a complete working touchscreen and software interface that will form a seamless, integrated human machine interface (HMI) with the rest of the Security Electronics System.

5.16.5 The touchscreen and software shall provide the owner with a flexible, networked, data-logged system for the control and monitoring of the facility. The system shall be a “software” solution allowing for ease of adapting over time as the facility’s needs change.

5.16.6 The touchscreen controls (TS) shall be networked together and will allow for Take Over, Transfer and Local control of the areas from the other stations in the following locations:

5.16.6.1 Building Control – two (2) new TS Control Station (second unit can be used for spare if required)

5.16.6.2 Housing Cluster II Control – one (1) new TS Control Station

5.16.6.3 Housing Cluster III Control – one (1) new TS Control Station

5.16.6.4 Housing Cluster IV Control – one (1) new TS Control Station

5.16.7 Contractor shall provide floor plan drawings showing locations of all equipment and spreadsheets with termination for all equipment for the project records.

5.16.8 Products-System Requirements

5.16.8.1 Acceptable Manufacturers: Open to qualified participants who have demonstrated, produced, and have a history of developing products that meet the software requirements of this specification and can meet the project specifications and Owners requirement.

5.16.9 Touchscreen Control Stations

5.16.9.1 Touchscreen Monitors:

5.16.9.1.1 Medical grade, LCD, 24 inch, black, high resolution (1920 x 1080), non-interlaced with a 60, 75 Hz refresh rate and a dot pitch of 0.31 mm maximum, ELO Model 2014 LM, or Collin County approved equal.

5.16.9.1.2 Medical grade, LCD, 19 inch, black, ELO Model 1928L, or Collin County approved equal.

5.16.9.1.3 Touchscreens shall be of the iTouch or IntelTouch Plus technology. Mean time between failures for the controller shall be greater than 50,000 hours and a touch life in any one location of 20 million touches. Connection to PC shall be USB.

5.16.9.1.4 The touchscreen driver shall allow the touch area to activate upon release from the touchscreen.

5.16.9.1.5 Touchscreens shall operate simultaneously with a mouse so that the user can use either the touchscreen or the mouse without reconnections, switches, or system re-boot.

5.16.9.2 Touchscreen Control Computer Stations:

5.16.9.2.1 Computers shall be at a minimum, 100% IBM compatible, Intel Core i3 Dual Core Processor 3.30GHz 3MB, 16X DVD+/-RW SATA, 2 GB Ram DDR3 1600Mhz, 250 GB hard drive, 8 USB ports, 10/100/1000 Gigabit Ethernet, and running Windows 7 Professional 64Bit.

5.16.9.2.2 The computer shall also be installed with an audio card for the Digitized Voice System (DVS).

5.16.9.2.3 Shall include wireless mouse and keyboard.

5.16.9.3 Other Touchscreen Equipment:

5.16.9.3.1 Intercom audio control relay boards-twenty-five (25) relays each

5.16.9.3.2 Audio Amps

5.16.9.3.3 VoIP audio modules-door control relay modules

5.16.9.3.4 PLC control modules and license

5.16.9.3.4.1 Includes power supplies, inputs, outputs, net card backplane, and cables.

5.16.9.3.5 Lantronix comm modules-terminals, relays, fuses

5.16.9.3.6 Gigabyte network switch-eight (8) and twenty-four (24) port switches.

5.16.9.3.7 Data cable and wiring-audio cable, power supplies, door control and audio.

5.16.9.3.8 Contractor shall provide all necessary equipment, components, wiring, software and license to provide a complete and functional system.

5.16.9.3.9 Reference Attachment F-Touchscreen Equipment List.

5.16.9.4 The Touchscreen Networking:

5.16.9.4.1 The touchscreen stations shall be connected through a network that complies with requirements for IEEE 802.3ab for 100/1000BaseT Ethernet. 100/1000BaseT is required so that other members of the network are not subject to problems associated with wiring or Ethernet ports of other network members including access to on screen video display from the Vicon-Net system.

5.16.9.4.2 The PLC shall also be a member of the network and shall communicate directly to all control stations at a minimum standard of 10/100BaseT. All touchscreens shall communicate directly to the each PLC independently of one another, and the failure of no combination of

touchscreen(s) shall cause any other to not function. Server configurations where one computer serves as the communications server to the PLC or where a local touch screen can only communicate to the local PLC in the event of a rollover are not acceptable.

5.16.10 Touchscreen Configuration Software

5.16.10.1 The touchscreen configuration software shall be non-proprietary. It also shall be developed using a standard Windows based industrial software package that is regularly used in industrial applications and 100% compatible with the industrial PLC specified. Software license must provide for the highest level of tag count to allow for upgrades and expansions at a later date. Tag counts that restrict the number of tags based on the size of the project thus limiting the reusability and expandability will not be accepted.

5.16.10.1.1 Wonderware InTouch 2012, or Collin County approved equal, 60K tag count.

5.16.10.2 The configuration or development software shall be compatible with the PLC programming software. The configuration software manufacturer shall have the facilities and a regular schedule for training so those individuals who receive the training will have the ability to develop or modify the touchscreen configuration. The touchscreen station is for operator interface only. All control functions are to be controlled by PLC software.

5.16.10.3 Passwords and User Levels: The touchscreen shall use a combination of username and passwords and be capable of ninety-nine (99) different Users' Levels. The owner shall have an administration password that enables the owner the ability to alter passwords and password levels. The administration password shall be able to be changed by the owner. The user levels allow or not allow operators certain abilities on the control station. Some of these abilities are described in this specification, others will be determined during the initial software meetings with the owner. The touchscreen software shall allow for changes to the user password and then automatically sync to the rest of the system including the system logger. Systems that require a Windows domain server to manage users will not be accepted.

5.16.10.4 Touchscreen Integration: The touchscreen is only an operator interface to the system. No control logic is allowed on/in the touchscreen computer. All control logic is to reside and be performed in the PLC. Touchscreen stations and graphic control panels shall be able to control the same points and be able to be integrated into the same control system.

5.16.10.5 All system functions currently incorporated into the system shall be retained in the system after upgrades in addition to those listed in this specification.

5.16.11 Software Feature Set:

5.16.11.1 Door Control: Door control logic shall live in and be authorized by the PLC not the HMI. The icons shall be on the HMI but the HMI programming has to refer to the PLC for decision and actions. The HMI only acts as a “window” into the PLC for door control. This is for security and reliability purposes. Door control shall also be integrated with the touchscreen stations to operate in the following manner.

5.16.11.1.1 Unlock: During an Unlock function, all doors shall be configured to automatically relock after a programmable amount of time. All swinging doors shall automatically perform in this manner during an Unlock function. All sliding and overhead doors shall also be configured to automatically close after a programmable amount of time if so desired by the owner. These programmable times are dynamically adjustable on the fly by the owner.

5.16.11.1.2 Hold Open: During a Hold Open door function, all swinging doors, regardless of the type of locking hardware, will remain unlocked until commanded to lock. Once selected to the Hold Open mode the icon will be orange indicating that door is in Hold Open mode. Only solenoid type locks are allowed to be continually powered for the Hold Open function. All full cycle locks with mechanical latch back features will first be provided with a momentary pulse long enough to unlock the door and latch it into the mechanical latch-back position; then when the door is opened and then closed, the PLC will sense when the door re-secures and then will unlock it again. The PLC shall be programmed to interface to any lock in order to satisfy the Hold Open function as described.

5.16.11.1.3 Sliding/Overhead Door Open: When opening a sliding or overhead door, the PLC, through interposing mechanical relays, will energize the relay to power the door open until it senses the open limit switch or until a programmable amount of time that is longer than the time it takes for the door to typically open. When the door open limit switch is sensed or the programmable time has elapsed, then the PLC will de-energize the interposing relay.

5.16.11.1.4 Sliding/Overhead Door Close: When closing a sliding or overhead door, the PLC, through interposing mechanical relays, will energize the relay to power the door closed until it senses the close limit switch or until a programmable amount of time that is longer than the time it takes for the door to typically close. When the door close limit switch is sensed or the programmable time has elapsed, then the PLC will de-energize the interposing relay

5.16.11.1.5 Sliding/Overhead Door Stop: When opening or closing a

sliding or overhead door, a stop command sent to the PLC will stop the door(s) in mid travel. Doors that are designed for a stop circuit shall have an interposing stop relay wired. When the stop command is issued, this relay will energize and stop the door. For doors that do not have a stop circuit, the stop command will de-energize the open and close relays. For doors that do not have a hardwired electrical interface external to the PLC (local pushbutton station); then if this door is not commanded open or closed, then the stop command shall be continuously issued by the PLC.

5.16.11.1.6 Sliding/Overhead Door Dwell: A sliding or overhead door shall be able to be reversed by the control officer without forcing the officer to first stop the door. The PLC logic shall determine that the door is being requested to be reversed and shall stop the door at that moment for a programmable amount of time. After a sufficient dwell period, the door will reverse direction and continue until it completely reaches the open or close limit switch. This dwell time shall be programmable.

5.16.11.1.7 Sequencing Groups of Doors: When more than one door at a time is being unlocked, then the doors shall be sequenced such that the doors simultaneously causing load the power supply remain at an acceptable level so that fuses, breakers and the power supply is not overloaded. For solenoid type doors, this period of time is during the inrush of the solenoid, for motorized locks this period of time is until the lock has completed its cycle, and for sliding doors this period of time is one fourth of its cycle time. For locks that require power to lock, the PLC shall also sequence the locking action. In any case, the system must be programmed to handle all emergency and group unlocking without failure of the available power supply.

5.16.11.1.8 Door Breaches, Openings and Closings: Each controlled and monitored door shall be configured to have the ability to alarm or have a "Breach Alarm". A violation occurs when a door is opened and/or unlocked by some means other than the PLC. If the owner determines that a specific door not Breach, then that door shall be configured to either display status only or to display status and to sound a short warning. All Breaches, Breach silencing, Breach resetting, changes of state of door switches, doors securing, and doors becoming unsecure shall be recorded separately to the Reporter/Logger system.

5.16.11.1.9 Door Switch Debounce: Logic shall be programmed into the PLC so that the door must be secure for a sufficient amount of time to avoid a switch-bouncing problem. This time shall be able to be configured.

5.16.11.1.10 Emergency Evacuation: Any door shall be configured to be part of any emergency evacuation group. When Emergency Evacuation is

activated for the group then each door in the group will unlock as explained in Sequencing Groups of doors.

5.16.11.1.11 Group Unlocking: Any door shall be configured to be part of any group for group unlocking and locking doors selected to the group mode shall be show with a blue outline around the door icon. Selecting the Group Unlock icon and then the ON icon will open only the doors selected to that group. Doors can be removed from the assigned group by re-selecting them, while in the group define mode, which will toggle the blue outline around the door icon to the off state.

5.16.11.1.12 Isolate: Any door and any keypad/Proxy reader to a door shall be configured to be isolated. Isolating a door keeps that door from being unlocked. Isolating a keypad keeps the keypad from unlocking a door. Isolate doors, keypads or proximity reader stations shall have a yellow “/” on the icon. Any isolation or removal of isolation for a door shall be recorded to the Reporter/Logger.

5.16.11.1.13 Shunt: Any door shall have the ability to be shunted. Shunting a door prevents the door from causing a breach alarm when opened in a means other than through the PLC. Selecting the Shunt function button will cause a flashing green outline to appear around door candidates.

5.16.11.1.14 Interlocks: Where two or more doors with electric hardware form a sallyport or where interlocks between hardware sets are indicated on the plans or specs, or will be specified by the Owner at the time of graphic map submissions, the operation of the individual hardware sets shall be as follows: The controls will allow only one of the hardware sets to be in the non-secured condition at any given time unless the interlock override function is activated. These doors shall be indicated on the screen with a yellow outline around the door icon. The corrections officer must press the interlock override pushbutton prior to unlocking a door to defeat the interlock. Logic shall also be incorporated such that the interlocks cannot be defeated by pressing two door pushbuttons simultaneously on a graphic panel.

5.16.11.2 Communications Control: Communications control shall be integrated with the touchscreen controls to operate in the following manner. Each touchscreen shall have its own dedicated intercom amplifier. Systems that share a common intercom amplifier and/or intercom buss and show BUSY, when in use, will not be accepted.

5.16.11.2.1 Intercom Communications: Communicating to an intercom staff station location from a control location shall cause a PLC output to energize a sound card relay and connects the talk-back amplifier to the

sound card's audio bus while also placing the control station's audio speaker onto the talk-back amplifier's speaker output. The control location then automatically monitors the intercom location. When the control officer presses push to talk, then the intercom staff station speaker shall be able to hear the control officer. Control stations shall be able to call other control stations utilizing the existing talk back amplifier configuration.

5.16.11.2.2 Paging: Page zone selection shall be configurable. Each intercom staff station shall be configurable to be included in any paging zone. The system shall have the ability to monitor paging speakers as well as staff stations.

5.16.11.2.3 Isolate: Any intercom staff station can be configured to be isolated in software. When the pushbutton on an isolated staff station is pressed, then the audible annunciation at the officer's control station shall automatically be suppressed for that station. Visual annunciation, though, shall occur at the officer's control station. Isolate intercom stations shall have a yellow “/” on the intercom icon.

5.16.11.2.4 Isolate timeout: Each intercom will have an independent timer that can be set so that it will automatically remove the isolate feature after a user adjustable time period.

5.16.11.2.5 Isolate reminder: Each intercom will have independent timer that can be set so that it will send a reminder notification to the touchscreen queue that an intercom is still set to the isolated mode. This timer will start again each time it is acknowledged until the isolate setting is removed from the intercom.

5.16.11.2.6 Spot/Assessment Monitor: When communications are established with a staff station, the camera in the area around the staff station shall be displayed on the Spot/Assessment Monitor or on screen display video window. When communications are terminated, the Spot/Assessment Monitor will display the last camera viewed. The cameras that are displayed shall be configurable for each alarm.

5.16.11.2.7 Intercom call-in delay: Provide a user changeable timer to delay an intercom push button before it is sent to the touch screen.

5.16.11.2.8 Intercom alarm: User settable functionality for a maintained intercom button press to be represented as an alarm.

5.16.11.3 Video Control: Video control shall be integrated with the touchscreen controls to operate as an integrated system.

5.16.12 Software Operation:

5.16.12.1 Functions: The touchscreen consists of a combination of device icons and function icons.

5.16.12.1.1 The device icons are the door icon, the intercom icon, the camera icon, the page icon, utilities icon, alarm icons, card reader icons, watch tour, call button icons, emergency icons and group icons.

5.16.12.1.2 The function icons include unlock, stop, hold open, isolate, utilities, interlock override, select, device notes, device history, playback, emergency evacuation, disable panel, silence, and reset.

5.16.12.1.3 Pressing any of these icons will result in the DVS announcing the action performed.

5.16.12.1.4 The pop up location in relation to the icons will have the following general requirement icons located in the first quadrant will align with the lower right corner, second quadrant will align with the lower left corner, third quadrant will align with the upper right corner and the fourth quadrant with the upper left corner.

5.16.12.1.5 In addition to the device functions, there will be several administrative functions as described later in this section.

5.16.12.2 Door Control: Pressing the Door Icon shall initiate a function popup specifically for that device. The popup will auto locate so that one corner of the pop up touches the corner of the device icon as described in Section 5.16.12.1. Unlock, Hold Open, Stop, Local Access, Egress, Group, Notes, History and Isolate are possible menu functions that act with two keystrokes to make the door operate the first key stroke opens the function option popup the second selects the function. Two keystroke operations for unlocking a door are critical so that doors cannot accidentally be unlocked to provide optimum feedback system must function in this order; device select>DVS annunciation>function display>function select. Provide a Cancel button on the function popup so the operator can back out of the operation up until the very last key stroke. The keystrokes required to open an overhead, sliding, or swinging door are the same. When the corrections officer presses the door icon the DVS will announce the actual name of the door as defined by the owner. Then within 3 seconds, press the function icon on the popup at the location of the door and the DVS will announce the function. After the door has unlocked for a specified amount of time, it will then relock automatically. To stop the motion of a sliding, or overhead, door, the corrections officer will press the door icon and the STOP function. Using the Hold Open feature will unlock the door and keep it electrically unlocked until the corrections officer presses the door icon only. The respective door function popup remains open during the 3 second selection process. The door function popup menu will

intuitively adjust to display only those features available to that specific door so that the operator knows what options are available.

5.16.12.2.1 Door Control Indicators: The door icon and a Door Status Icon are located on the graphic at each controlled door. The Door Status Icon is a graphical representation of the door. If it is a swinging door it depicts the door swing, and if it is a sliding door it displays the door as secure or fully open.

5.16.12.2.1.1 The door icon is black/grey and shown closed when the door is locked and secured.

5.16.12.2.1.2 The door icon is red/white and is shown closed when the door is powered but the lock status switch, the bolt position switch, and the door position switch are still indicating that the door is secure.

5.16.12.2.1.3 The door icon is red/white and is shown open when the door is powered and open.

5.16.12.2.1.4 The door icon is red/white and is shown open when the door is not powered but is open.

5.16.12.2.1.5 The door icon flashes red/white and shows the current status of the door if the door is violated or opened manually.

5.16.12.2.2 Interlocked Doors are bordered around their icons in yellow when a door in a designated interlock group is unsecured. If an interlocked door is attempted to be unlocked, an Information Dialog box will appear indicating the door cannot be opened because of the interlock condition.

5.16.12.2.3 The Reporter/Logger records to disk all openings, unlocking, re-locking, secure actions, door position, lock status, violations, violation silencing, violation resetting, interlock overrides. The logging should be such that the reporting can distinguish between standard unlock, unlock via interlock override, unlock via group, unlock via ERM, unlock via valid read for all variations of operation that can unlock the door.

5.16.12.3 Isolate Door: Electrically controlled doors, or doors that are also controlled by field-mounted keypads or proximity card readers, can be isolated such that they cannot be opened. The corrections officer first selects the door icon and then presses the door isolate function. The door icon will be displayed with a yellow “/” on the icon. Repeating the process on an Isolated Door reverses the condition and returns the door to normal control.

5.16.12.3.1 Door Isolate Indicators: The door icon will have a yellow "/" marked through it indicating that the door cannot be unlocked. Violations and the Door Status Icon will still be shown.

5.16.12.3.2 Attempting to unlock an isolated door will cancel the command and the door will remain locked.

5.16.12.3.3 Isolated Doors are reported by the Reporter/Logger during daily reports. Changing the state of Isolated Doors is recorded to disk.

5.16.12.4 Communicate: Establishing audio communications from the touch screen is accomplished by simply pressing the Intercom icon at the location of the intercom station. There shall be an Intercom icon for each intercom or staff station. The audio is now connected to the remote station and the Intercom icon is yellow. The video of cameras viewing that area are now shown on the Spot/Assessment Monitor(s), and audio is established; while the camera symbols that cover that intercom station are now cyan. If no camera is viewing that location, audio will be connected without video. Repeating the operation will cancel the call. Connecting to another station will automatically cancel the previous connection. Pressing the Push-to-Talk allows the corrections officer to talk to the station. Press and holding the intercom icon shall initiate a function popup specifically for that device. The pop up will auto locate so that one corner of the popup touches the corner of the device icon as described in Section 5.16.12.1. The following functions shall be available for the intercom, connect, and isolate, notes and history.

5.16.12.4.1 The Intercom icon is used to show the state of the intercom call.

5.16.12.4.1.1 If the call button, located on the staff or inmate intercom station, is pressed, and the call has not been acknowledged, the Intercom icon flashes yellow and the DVS will sound a digitized tone until the call is connected.

5.16.12.4.1.2 If the call has been answered, the Intercom icon will be solid yellow, and all cameras called up to follow the intercom will be solid cyan. If another call is incoming while the first is being serviced, that Intercom icon flashes and the DVS will softly announce the ringing tone.

5.16.12.4.2 Intercom System Recording: All audio communications whether analog or digital will be recorded by conversation. Each conversation will be identifiable with the intercom connected to, the master station making the connection, the operator logged into that station and the time and date the conversation took place. All intercom masters, both stationary and mobile, that answer intercom calls will be recorded in this manner. Recordings must be searchable by date time, location,

operator, master station, intercom id. Playback of audio must be shall be on a standard format compatible with the Windows operating environment.

5.16.12.4.3 The Reporter/Logger records any intercom call activity, including when the call was placed, answered, isolated on, isolated off and association with any audio recording clips.

5.16.12.5 Video: Establishing video (CCTV) communications from the control screen is accomplished by pressing the Video icon. Pressing the Video icon on the control screen at the location of the camera will cause the icon to be solid cyan and the CCTV image to be displayed on the Spot/Assessment Monitor(s). Pressing a different Video icon will cause that camera to be active and will cancel any others. Press and holding the camera icon shall initiate a function popup specifically for that device. The pop up will auto locate so that one corner of the popup touches the corner of the device icon as described in Section 5.16.12.1. The following functions shall be available for the camera, view notes, history, playback for at least four (4) users configurable time periods.

5.16.12.5.1 The cyan Video icon on the touch screen map shows the location of the camera and has Instant video playback capabilities.

5.16.12.5.2 The Reporter/Logger shall record to disk all video activities including association with any video recording for related cameras over time period.

5.16.12.6 Paging: This feature allows the corrections officer to select which paging zones are connected for a subsequent paging operation. The corrections officer will first press the Page icon on the screen which will open the paging channel for one-way communication.

5.16.12.6.1 Paging Groups: Provide the option at system design review for designation of paging groups where by more than one paging icon can be selected as a group.

5.16.12.7 Isolate Intercom: This feature allows the corrections officer to limit an intercom station so that no audible annunciation of the call-in is received but visual annunciation is retained. An active intercom station is shown as a solid on yellow icon. An Isolated intercom station is still accessible by the corrections officer via the Intercom and Audio features. An Isolated intercom still visually annunciates as a flashing yellow icon. Only the ringing chime is suppressed.

5.16.12.7.1 Intercom isolate Indicators: The Intercom icon shall have a yellow "/" marked through it indicating that the intercom station has been isolated.

5.16.12.7.2 A reminder.

5.16.12.7.3 The Reporter/Logger shall record to disk all communications Isolate activities.

5.16.12.8 Call Window: A portion of the touchscreen shall be allocated and used as the Intercom Queue, Active window and Alarm Queue window. Each window shall be allocated and used for the purpose of making the communications task easy for the operator. The Intercom Queue window shall contain the text names of at least five (5) incoming pending calls, the Active window contains the text name of the active intercom call, Zoom icon and Unlock and Cancel icon for the active call. This window pertains to every call assigned to the touchscreen station and is not exclusive to the intercom stations shown on the current active screen. This window will allow the operator to answer calls without having to go to a particular screen unless it is desired to do so.

5.16.12.8.1 Intercom Queue: The list of five (5) incoming pending calls designated for the particular touchscreen station shall show the owner-assigned text names for the oldest five (5) pending calls that have not been answered and in the order that they were initiated. As a call is answered, it shall be removed from the list and the list shall be automatically updated with any new incoming calls. If there are no pending calls, this list shall be blank. All incoming calls shall be logged into the Intercom Queue. None shall be lost. The Total Call window will show the number of current calls waiting for response.

5.16.12.8.2 Call Answer icon: Each time this icon is touched, the active station will automatically cancel and the first station on the pending list will automatically connect.

5.16.12.8.3 Zoom Active icon: When this icon is touched, the touchscreen will automatically go to the screen where the answered intercom station is located.

5.16.12.8.4 Unlock icon: When communication is established with a calling intercom station, touching the Unlock icon will unlock the respective door as long as all logic rules are met.

5.16.12.8.5 Call Cancel icon: When this icon is touched, the active intercom call is disconnected.

5.16.12.8.6 Alarm Queue: The list of five (5) active alarms that can be scrolled up and down in the event there are more than five (5). Alarms are sorted in the queue by priority, date & time and silenced state. Clicking on an alarm in the queue will activate the InstaFind sequence automatically selecting current video, recorded video and screen location.

Once selected the alarm may be silenced. The text in the alarm queue will show contain the words “Reset” once the alarm condition is physically cleared.

5.16.12.9 Key Map Screen: The Site screen on each touchscreen shall be allocated and used for the purpose of making screen movement tasks easy for the operator. This window shall contain the whole site plan. All screens shall be accessible with one touch of the site plan such that any screen can be accessed from any other screen with just one touch of a screen's outlined area on the site plan of the Screen Zoom icons in the navigation panel. Each control screen shall be graphically outlined on the Zoom Window.

5.16.12.9.1 Area Window: Pressing an outlined area of the site plan shall cause the touchscreen to go directly to the screen that controls the touched area. A distinctive audible sound shall annunciate when this action is performed.

5.16.12.9.2 Location Indicator: The area containing the Screen Zoom icons shall highlight the current map view so that the operator knows exactly what screen is active in relation to the whole facility. The other areas shall be gray unless pending calls or alarms are active as explained by the Pending Call Indicator and the Alarm Indicator.

5.16.12.9.3 Pending Call Indicator: When calls are pending from areas other than the current screen, and these calls are defined to be answered at a particular touchscreen station, the area of the call shall flash yellow on the Screen Zoom icons. If both an alarm and a pending call are active at the same time in an area, then the respective area shall flash red.

5.16.12.9.4 Alarm Indicator: When alarms are active from areas other than the current screen, the area of the alarm shall flash red on the Screen Zoom icons. If both an alarm and a pending call are active at the same time in an area, then the respective area shall flash red.

5.16.12.9.5 Zoom: To move to another part of the facility, the operator can simply zoom to it (if the touchscreen station is configured to do so). Zooming or paging to a new screen and the status indicators on the screen shall be instantaneous. When an alarm condition occurs in an area that is not currently displayed, the touchscreen will present this information to the operator. This information includes the status of doors in other areas, duress alarms, panic alarms, and other conditions desired by the owner.

5.16.12.10 Panel Control: Disable: Pressing this icon will immediately disable all functions of that remote control Touchscreens. Control will be transferred to Central Control.

5.16.12.11 Panel Control: Silence: Pressing this icon will silence the audible annunciators used to indicate a violated door, staff station request, or any other alarm.

5.16.12.12 Panel Control: Reset: Pressing this icon will cancel any Door Breach/Violation condition and/or any active menu. Reset does not affect communications calls.

5.16.12.13 Other Indications:

5.16.12.13.1 Provide Status or health indication for each device/icon. If a touchscreen loses communication with a field device, a red/white caution triangle shall appear on the upper left corner of the icon indicating to the operator that communication has been lost to that device. This is a “per device” feature.

5.16.12.13.2 Group control is accomplished via icons located on the touchscreen station. Group control shall be active for Door Control functions.

5.16.12.13.3 Interlocks: Where two (2) or more doors with electric hardware form a sallyport or where interlocks between hardware sets are indicated on the plans or specs, or will be specified by the Owner at the time of graphic panel/touchscreen submissions, the operation of the individual hardware sets shall be as follows: The controls will allow only one (1) of the hardware sets to be in the non-secured condition at any given time unless the interlock bypass function is activated. The corrections officer shall use the interlock override functionality provided to defeat the interlock. When the interlock override icon is pressed, the warning dialog box will warn of the override condition and allow the operator to proceed or cancel the request. The override function shall operate on a door by door case, override functionality that allows for doors other than the specific door selected to be unlocked will not be accepted.

5.16.12.13.3.1 A yellow background behind the icon will illuminate whenever any other door of that interlock group is unlocked or unsecured.

5.16.12.13.3.2 Attempting to unlock a door that is interlocked will cause an Information Dialog box will appear indicating the door cannot be opened because of the interlock condition

5.16.12.13.3.3 The Reporter/Logger shall record to disk all interlock override activities.

5.16.12.13.4 Capability for Emergency Evacuation Operations: Located on selected touchscreens are icons labeled as Emergency Release. When

pressed, a warning dialog will be displayed explaining the consequences of proceeding with the evacuation and offers directions for the operator. The operator shall be able to see all doors which will be evacuated as they will be highlighted in red. Proceeding with the Emergency Release will open all the associated doors and cause an emergency tone to be sounded at the touchscreen.

5.16.12.13.4.1 The background around the Emergency Release icon shall flash red and the DVS shall continuously sound an Emergency Evacuation tone.

5.16.12.13.4.2 All doors of the configurable Emergency Evacuation route will open. The doors that are unlocked under the emergency evacuation flash red on the door icon.

5.16.12.13.4.3 The Reporter/Logger shall record to disk all emergency release activities.

5.16.12.13.5 When the loss of AC power is detected and the PLC reverts to UPS or emergency power, an indication labeled Emergency Power shall flash and the alarm shall sound.

5.16.12.13.6 General graphics design shall be passive grey as the normal indication with the addition of color to indicate status of an event that the system operator needs to respond to. Design should be such that the visual operator fatigue is minimized by the graphics.

5.16.13 Spares:

5.16.13.1 Provide one (1) spare Touchscreen monitor and Touchscreen CPU computer completely programmed with each control location of the facility. Upon boot up of this computer the machine will figure out which station it is and automatically assume the location. This CPU shall be installed in Building Control as a secondary control station.

5.16.13.2 Provide a complete GUI (Wonderware or Collin County approved equal) license and any other software required for this machine.

5.16.14 Execution:

5.16.14.1 Examination:

5.16.14.1.1 Working Order: Verify that all equipment is in working order and within heat tolerances.

5.16.14.1.2 Installation: Prior to installation, provide a written summary

describing how the new system and equipment will be installed while keeping the detention controls fully operational and functional in the occupied detention facility. After the installations, test all system functions and verify the equipment has been installed in accordance with all codes and complies with the Security Electronics General Section and Owner requirements.

5.16.14.1.3 Confirm and verify all equipment is in a pristine new condition with manufacturer's warranty still intact. Make sure all wiring has been tied down, labeled on each end of all terminations and dressed out to professional standards.

5.16.14.1.4 Confirm all equipment is clean, wiped off and ready for occupancy and owners use.

5.17 Countertops and Cabinets: Contractor shall demo and haul off two (2) existing cabinets and four (4) countertops and provide all labor, materials and hardware to install new phenolic countertops.

5.17.1 Remove two (2) base cabinets from Building Control.

5.17.2 Remove existing and install new Durcon, or Collin County approved equal, phenolic countertop in Building Control. The countertop square footage in Building Control is approximately sixty-eight (68) square feet.

5.17.3 Remove existing and install new Durcon, or Collin County approved equal, phenolic countertops in each Cluster Control in Clusters 2, 3 and 4. The countertop square footage in each Cluster Control is approximately fifty-eight (58) square feet.

5.17.4 Contractor shall verify actual countertop dimensions prior to bidding.

5.17.5 Reference Attachment I-Phenolic Countertop Specifications; Attachment D-Cluster Control Desk Measurements and Attachment E-Building Control Floor Plan.

5.18 Option One-Surveillance System CCTV Cameras and Monitors Upgrade Requirements: Collin County is requesting pricing for two (2) options to the CCTV Cameras and Monitors Upgrade. Only one option will be awarded.

5.18.1 The County requires that the manufacturer of the surveillance camera system shall be Bosch with no substitutions allowed.

5.18.2 The existing headend cabinet and all associated camera wiring and recording equipment shall be relocated from the records room to Building Control and installed in two (2) standalone cabinets not to exceed the 42" window line of the Building Control Room.

5.18.3 There shall be sixty-five (65) fixed dome cameras installed utilizing the existing wire.

5.18.4 There shall be two (2) new exterior pendant mounted PTZ cameras installed.

5.18.5 There shall be two (2) new keypad controllers at Building Control, one (1) in each Cluster Control and one (1) in an administrator's office.

5.18.6 Video recording equipment shall be the Bosch Divar 5000 with 80 inputs 36 TB storage.

5.18.7 The camera system shall require a Bosch Matrix system with 80 inputs and outputs to integrate between the camera system and the Touchscreen controls.

5.18.8 All cameras shall be accessed through the touchscreen control system for camera follow with the intercom system and for direct security selection to video monitors for Each TS Control Station.

5.18.9 Each Cluster Control Station shall have one (1) 27" monitor connected to the TS for camera intercom follow.

5.18.10 Each Cluster Control Station shall have one (1) 42" monitor with four (4) images of the housing POD cameras for constant observation of each of the four PODs.

5.18.11 Building Control shall have four (4) 42" monitors which will be wall mounted to give a larger overview of the cameras and movement within the facility.

5.18.12 Contractor shall provide drawings showing locations of all equipment with termination spreadsheets for all equipment for project records.

5.18.13 Camera lense options shall be 2.8 to 10.5 mm for wide coverages; 9 to 22 mm for standard coverages and 18 to 50 mm for long range coverages.

5.18.14 Offeror shall verify actual camera mounts, interior/exterior camera ratings, and existing camera power prior to submitting a proposal.

5.18.15 Reference Attachment C-Camera List, Attachment G-Camera System Equipment List, Attachment H-Camera Locations, Attachment J-Camera Specifications, and Attachment K-Power Supply Specifications.

5.19 Option Two-Surveillance System CCTV Cameras and Monitors Upgrade Requirements: Collin County is requesting pricing for two (2) options to the CCTV Cameras and Monitors Upgrade. Only one option will be awarded. All requirements and specifications listed in Section 5.18 will apply to this section with the following exceptions.

5.19.1 There shall be forty-one (41) fixed dome cameras installed.

5.19.2 There shall be ten (10) new exterior pendant mounted PTZ cameras installed.

5.19.3 There shall be sixteen (16) new interior pendant mounted PTZ cameras installed.

5.19.4 There shall be two (2) 16 position bilinx data convertor, Bosch LTC 8016 for the added PTZ cameras.

5.19.5 Reference Attachment C-Camera List, Attachment G-Camera System Equipment List, Attachment H-Camera Locations, Attachment J-Camera Specifications, Attachment K-Power Supply Specifications and Attachment L-Data Interface Specifications.

5.20 Closeout:

5.20.1 In the presence of an owners representative and the Owner, verify that the material and software provided meets this specification. If there are deficiencies and the contractor was at fault or negligent, the contractor is responsible for immediate correction.

5.20.2 Training: Provide two (2), one (1) hour training classes for Touchscreen and Surveillance System User functions with training manuals for ten (10) users and a one (1) hour training class on Touchscreen and Surveillance technical and programming functions as part of the Security Electronics General Section.

5.20.3 As-Built Documentation: Deliver the Touchscreen Controls and Camera Surveillance System as-built drawings, documents, instructions, training information, supporting literature and warranty information in three (3) bound hard copies and provide electronic copies of all As-Built as described on two (2) USB Drives for the Owner records.

5.21 Warranty/Maintenance:

5.21.1 If within one (1) year after final acceptance of the work by Collin County, any of the work or material is found to be defective or not in accordance with the specifications of the contract, the contractor shall correct it promptly after receipt of a written notice from the County to do so. This obligation shall survive termination or completion of the contract. The County shall give such notice promptly after discovery of the condition.

5.21.2 Contractor shall provide first year maintenance on the CCTV Camera and Monitor System and the Touchscreen System.

5.22 Warranty Response Time:

5.22.1 Contractor agrees to send a qualified technician to arrive at Collin County's facility within four (4) hours from time of original request.

6.0 PROPOSAL FORMAT

- 6.1 **PROPOSAL DOCUMENTS:** The proposal shall, at a minimum, include a Table of Contents detailing sections and corresponding page numbers, and shall be on letter-size (8 1/2" x 11") paper. Offerors may submit online via <https://collincountytx.ionwave.net> or submit a hard copy with one (1) original and five (5) copies assembled with spiral-type bindings or staples. **DO NOT USE METAL-RING HARD COVER BINDERS.** Paper copies should also be accompanied by an electronic copy of the information provided on a CD in a searchable format.

Proposal shall include but not be limited to information on each of the following:

6.1.1 FIRM OVERVIEW

Offeror is requested to define the overall structure of the Firm to include the following:

- 6.1.1.1 A descriptive background of your company's history.
- 6.1.1.2 State your principal business location and any other service locations.
- 6.1.1.3 What is your primary line of business?
- 6.1.1.4 How long have you been providing service(s)?
- 6.1.1.5 State how many and the locations where your product/services are in use.

6.2 PROPOSED PROJECT TEAM/STAFF QUALIFICATIONS/EXPERIENCE/CREDENTIALS

- 6.2.1 Offeror is requested to provide qualifications as well as experience information on Offeror's key personnel.

6.3 PROPOSED PROJECT

- 6.3.1 Offeror is requested to identify the proposed product(s)/service(s) to include but not limited to the following areas:

- 6.3.1.1 Project to include all necessary components to render it complete and operational;
- 6.3.1.2 Project Plan to include:
 - 6.3.1.2.1 Installation
 - 6.3.1.2.2 Training
 - 6.3.1.2.3. Testing and Support
 - 6.3.1.2.4 Impact on current system
 - 6.3.1.2.5 Warranty/Maintenance

- 6.3.1.2.7 Manufacturers documentation for all equipment
- 6.3.1.2.8 Diagrams/Devise Drawings/Wiring Schematics
- 6.3.1.2.9 Conversion

6.3.1.3 Submit product data sheets for all proposed items.

6.3.1.4 Submit names of all subcontractors and the type of work they will be performing (reference Attribute 9-Subcontractors).

6.4 **REFERENCES**

6.4.1 Offeror is requested to include at least five (5) references with names, addresses, telephone numbers and e-mail address.

6.5 **TIME SCHEDULE**

6.5.1 Provide a schedule on each phase of the proposed project beginning with program development and ending with the date of operation. The schedule shall include all tasks that will require time in the process, such as County review (identify amount of time assumed for each task). All work shall be performed during normal business hours (Monday – Friday, 7:00 am – 4:00 pm). Weekend and after hours work will not be permitted.

6.6 **PRICING/FEES**

6.6.1 See Attachment A for Pricing Sheet. Be sure to include all items necessary to render project complete and operational.

6.6.2 State Cost for Maintenance for Year 1

6.6.3 State Cost for optional items listed in Attachment A-Pricing Sheet. Collin County will determine if these items will be included in the final project.

6.7 **OTHER PROJECTS INVOLVED WITH**

6.7.1 Offeror is requested to provide a list of other similar projects that you are currently involved with or will be involved with.

6.8 **WARRANTY/RESPONSE TIME/MAINTENANCE**

6.8.1 Offeror is requested to respond to Warranty/Response time/Maintenance, Section 5.21 and 5.22.

6.9 **GENERAL BUSINESS REQUIREMENTS**

6.9.1 Offeror shall provide a response that they have read and understand each of the requirements in Section 5.15 through 5.20.

Attachment A-Pricing Sheet

RFP 2016-060, Juvenile Detention Facility Touchscreen and Camera System Upgrade

Line	Description	Quantity	State Manufacturer Part/Model No.	State Price	Total Price
			Proposed	Each	
Touchscreen System					
1	Touchscreen Control Computer Station with wireless mouse and keyboard, Dell Optiplex 9020 Minitower or Collin County approved equal.	5			
2	19" Touchscreen Monitor, ELO 1928L or Collin County approved equal	5			
3	24" Touchscreen Monitor, ELO 2401LM or Collin County approved equal	2			
4	HMI Software License	5			
5	Intercom audio control relay boards	11			
6	Audio Amps	4			
7	VoIP Audio modules	4			
8	PLC Control modules & License	4			
9	Lantronix Comm Modules	4			
10	Gigabyte Network Switch	4			
11	Miscellaneous cable, wiring, equipment & supplies required (itemize on separate sheet)	1 Lot			
12	State Total Price for Touchscreen System Labor/Installation	1 Lot			
13	State Total Price for 1st Year Touchscreen System Maintenance	1 Lot			
14	State Touchscreen System Total (total of lines 1-13)	1 Lot			
Counter Tops and Cabinets					
15	State price for all materials and labor to remove 2 base cabinets from Building Control	1 Lot			

Attachment A-Pricing Sheet

RFP 2016-060, Juvenile Detention Facility Touchscreen and Camera System Upgrade

Line	Description	Quantity	State Manufacturer Part/Model No.	State Price	Total Price
			Proposed	Each	
16	State price for all materials and labor to remove existing and install new counter tops in Building Control, approx. 68 square feet	1			
17	State price for all materials and labor to remove existing and install new counter tops in Cluster Control, approx. 58 square feet	3			
18	State Counter Tops and Cabinets Total (total of lines 15-17)	1 Lot			
Option 1-Surveillance CCTV Camera & Monitor System					
19	Camera, Fixed, Ceiling Mount, Interior, Bosch VDN-5085-V321	44			
20	Camera, Fixed, Wall Mount, Interior, Bosch VDN-5085-V321	1			
21	Camera, Fixed, Ceiling Mount, Exterior, Bosch VDN-5085-V321	2			
22	Camera, Fixed, Wall Mount, Interior, Bosch VDN-5085-V321/VDA-WMT-DOME	2			
23	Camera, Fixed, Wall Mount, Exterior, Bosch VDN-5085-V321/VDA-WMT-DOME	15			
24	Camera, Fixed, Outside Corner Mount, Exterior, Bosch VDN-5085-V321/VDA-WMT-DOME/VG4-A-9542	1			
25	Camera, PTZ, Wall Mount, Exterior, Bosch VG5-624-ECS/VG4-A-PSU0	1			
26	Camera, PTZ, Outside Corner Mount, Exterior, Bosch VG5-624-ECS/VG4-A-PSU0/VG4-A-9542	1			

Attachment A-Pricing Sheet
RFP 2016-060, Juvenile Detention Facility Touchscreen and Camera System Upgrade

Line	Description	Quantity	State Manufacturer Part/Model No.	State Price	Total Price
			Proposed	Each	
27	16 Port Channel DVR w/ 2 TB , Bosch Divar 5000	5			
28	3 TB Drive with accessory cables, Bosch Divar 5000, DVR-XS300-A	10			
29	48" Equipment rack with dual fans, Tripplite 48U SmartRack Enclosure or Collin County approved equal	3			
30	16 Position power supply, Altronix DSR2416ULCBI or Collin County approved equal	5			
31	Video quad splitter, American Dynamics Quad Model ADQUAD77 or Collin County approved equal	6			
32	42" LED Flat monitor with mounts, Bosch UML-423-90 or Collin County approved equal	7			
33	27" LED Flat monitor with mounts, Bosch UML-273-90 or Collin County approved equal	6			
34	Keypad controllers, Bosch or Collin County approved equal	6			
35	Bosch Allegiant Matrix LTC 8601/60	1			
36	Bosch LTC 8808/00	4			
37	Bosch Quad Splitter	3			
38	Miscellaneous cable, wiring, equipment & supplies required (itemize on separate sheet)	1 Lot			
39	State Total Price for Option 1-CCTV Camera & Monitor System Labor/Installation	1 Lot			

Attachment A-Pricing Sheet

RFP 2016-060, Juvenile Detention Facility Touchscreen and Camera System Upgrade

Line	Description	Quantity	State Manufacturer Part/Model No.	State Price	Total Price
			Proposed	Each	
40	State Total Price for Option 1-1st Year CCTV Camera & Monitor System Maintenance	1 Lot			
41	State Option One-Surveillance CCTV Camera & Monitor System Total (total of lines 19-40)	1 Lot			
Option 2-Surveillance CCTV Camera & Monitor System					
42	Camera, Fixed, Ceiling Mount, Interior, Bosch VDN-5085-V321	30			
43	Camera, Fixed, Ceiling Mount, Exterior, Bosch VDN-5085-V321	1			
44	Camera, Fixed, Wall Mount, Interior, Bosch VDN-5085-V321/VDA-WMT- DOME	1			
45	Camera, Fixed, Wall Mount, Exterior, Bosch VDN-5085-V321/VDA-WMT- DOME	8			
46	Camera, Fixed, Outside Corner Mount, Exterior, Bosch VDN-5085-V321/VDA- WMT-DOME/VG4-A-9542	1			
47	Camera, PTZ, Wall Mount, Exterior, Bosch VG5-624-ECS/VG4-A-PSU0	8			
48	Camera, PTZ, Outside Corner Mount, Exterior, Bosch VG5-624-ECS/VG4-A- PSU0/VG4-A-9542	1			
49	Camera, PTZ, Ceiling Mount, Interior, Bosch VG5-623-CTS	14			
50	Camera, PTZ, Wall Mount, Interior, Bosch VG5-624-PCS/VG4-A-PAO	2			

Attachment A-Pricing Sheet

RFP 2016-060, Juvenile Detention Facility Touchscreen and Camera System Upgrade

Line	Description	Quantity	State Manufacturer Part/Model No.	State Price	Total Price
			Proposed	Each	
51	Camera, PTZ, Ceiling Mount, Exterior, Bosch VG5-624-VG4-A-9543	1			
52	16 Port Channel DVR w/ 2 TB , Bosch Divar 5000	5			
53	3 TB Drive with accessory cables, Bosch Divar 5000, DVR-XS300-A	10			
54	48" Equipment rack with dual fans, Tripplite 48U SmartRack Enclosure or Collin County approved equal	3			
55	16 Position power supply, Altronix DSR2416ULCBI or Collin County approved equal	5			
56	16 Position Bilinx data convertor, Bosch LTC 8016	2			
57	Video quad splitter, American Dynamics Quad Model ADQUAD77 or Collin County approved equal	6			
58	42" LED Flat monitor with mounts, Bosch UML-423-90 or Collin County approved equal	7			
59	27" LED Flat monitor with mounts, Bosch UML-273-90 or Collin County approved equal	6			
60	Keypad controllers, Bosch or Collin County approved equal	6			
61	Bosch Allegiant Matrix LTC 8601/60	1			
62	Bosch LTC 8808/00	4			
63	Bosch Quad Splitter	3			

Attachment A-Pricing Sheet
RFP 2016-060, Juvenile Detention Facility Touchscreen and Camera System Upgrade

Line	Description	Quantity	State Manufacturer Part/Model No.	State Price	Total Price
			Proposed	Each	
64	Miscellaneous cable, wiring, equipment & supplies required (itemize on separate sheet)	1 Lot			
65	State Total Price for Option 2-CCTV Camera & Monitor System Labor/Installation	1 Lot			
66	State Total for Option 2-1st Year CCTV Camera & Monitor System Maintenance	1 Lot			
67	State Option 2-Surveillance CCTV Camera & Monitor System Total (total of lines 42-66)	1 Lot			
68	State Project Total with Option 1-CCTV Camera & Monitor System (total of lines 14, 18 & 41)	1 Lot			
69	State Project Total with Option 2-CCTV Camera & Monitor System (total of lines 14, 18 & 67)	1 Lot			

Attachment B-Prevailing Wage Rates

General Decision Number: TX150289 03/06/2015 TX289

Superseded General Decision Number: TX20140289

State: Texas

Construction Type: Building

County: Collin County in Texas.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Executive Order (EO) 13658 establishes an hourly minimum wage of \$10.10 for 2015 that applies to all contracts subject to the Davis-Bacon Act for which the solicitation is issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.10 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/02/2015
1	01/30/2015
2	03/06/2015

ASBE0021-011 05/01/2013

Rates Fringes

ASBESTOS WORKER/HEAT & FROST
INSULATOR (Duct, Pipe and
Mechanical System Insulation)....\$ 21.52 7.15

BOIL0074-003 01/01/2014

Rates Fringes

BOILERMAKER.....\$ 23.14 21.55

CARP1421-002 04/01/2014

Rates Fringes

Attachment B-Prevailing Wage Rates

MILLWRIGHT.....\$ 25.30 8.30

 ELEV0021-006 01/01/2015

 Rates Fringes

ELEVATOR MECHANIC.....\$ 37.33 28.385

FOOTNOTES: a - A. 6% under 5 years based on regular hourly rate for all hours worked. 8% over 5 years based on regular hourly rate for all hours worked.

New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and Veterans Day.

 ENGI0178-005 06/01/2014

 Rates Fringes

POWER EQUIPMENT OPERATOR

(1) Tower Crane.....\$ 29.00 10.60

(2) Cranes with Pile

Driving or Caisson

Attachment and Hydraulic

Crane 60 tons and above.....\$ 28.75 10.60

(3) Hydraulic cranes 59

Tons and under.....\$ 27.50 10.60

 IRON0263-005 12/01/2013

 Rates Fringes

IRONWORKER (ORNAMENTAL AND
 STRUCTURAL).....\$ 22.70 5.35

 PLUM0100-005 07/01/2013

 Rates Fringes

HVAC MECHANIC (HVAC Unit
 Installation Only).....\$ 26.88 8.83

PIPEFITTER (Excludes HVAC
 Pipe Installation).....\$ 26.88 8.83

 * SUTX2014-015 07/21/2014

Attachment B-Prevailing Wage Rates

	Rates	Fringes
BRICKLAYER.....	\$ 21.06	0.00
CARPENTER, Excludes Drywall Hanging, Form Work, and Metal Stud Installation.....	\$ 15.78	0.00
CAULKER.....	\$ 15.16	0.00
CEMENT MASON/CONCRETE FINISHER...	\$ 13.04	0.00
DRYWALL HANGER AND METAL STUD INSTALLER.....	\$ 13.00	0.00
ELECTRICIAN (Alarm Installation Only).....	\$ 20.93	3.86
ELECTRICIAN (Communication Technician Only).....	\$ 15.35	1.39
ELECTRICIAN (Low Voltage Wiring Only).....	\$ 17.04	1.39
ELECTRICIAN, Excludes Low Voltage Wiring and Installation of Alarms/Sound and Communication Systems.....	\$ 20.01	2.69
FORM WORKER.....	\$ 11.89	0.00
GLAZIER.....	\$ 16.46	3.94
HIGHWAY/PARKING LOT STRIPING: Operator (Striping Machine).....	\$ 10.04	2.31
INSTALLER - SIDING (METAL/ALUMINUM/VINYL).....	\$ 14.74	0.00
INSTALLER - SIGN.....	\$ 15.50	0.00
INSULATOR - BATT.....	\$ 13.00	0.00
IRONWORKER, REINFORCING.....	\$ 12.29	0.00
LABORER: Common or General.....	\$ 10.52	0.00

Attachment B-Prevailing Wage Rates

LABORER: Mason Tender - Brick...	\$ 10.54	0.00
LABORER: Mason Tender - Cement/Concrete.....	\$ 10.93	0.00
LABORER: Pipelayer.....	\$ 13.00	0.35
LABORER: Plaster Tender.....	\$ 12.22	0.00
LABORER: Roof Tearoff.....	\$ 11.28	0.00
LABORER: Landscape and Irrigation.....	\$ 10.55	0.00
LATHER.....	\$ 16.00	0.00
OPERATOR: Backhoe/Excavator/Trackhoe.....	\$ 12.83	0.00
OPERATOR: Bobcat/Skid Steer/Skid Loader.....	\$ 13.93	0.00
OPERATOR: Bulldozer.....	\$ 18.29	1.31
OPERATOR: Drill.....	\$ 15.69	0.50
OPERATOR: Forklift.....	\$ 13.21	0.81
OPERATOR: Grader/Blade.....	\$ 13.03	0.00
OPERATOR: Loader.....	\$ 13.46	0.85
OPERATOR: Mechanic.....	\$ 17.52	3.33
OPERATOR: Paver (Asphalt, Aggregate, and Concrete).....	\$ 18.44	0.00
OPERATOR: Roller.....	\$ 15.04	0.00
PAINTER (Brush, Roller and Spray), Excludes Drywall Finishing/Taping.....	\$ 13.35	5.10
PAINTER: Drywall Finishing/Taping Only.....	\$ 14.24	3.83

Attachment B-Prevailing Wage Rates

PIPEFITTER (HVAC Pipe Installation Only).....	\$ 20.45	4.00
PLASTERER.....	\$ 16.58	0.00
PLUMBER, Excludes HVAC Pipe Installation.....	\$ 22.46	4.06
ROOFER.....	\$ 17.19	0.00
SHEET METAL WORKER (HVAC Duct Installation Only).....	\$ 21.13	4.79
SHEET METAL WORKER, Excludes HVAC Duct Installation.....	\$ 24.88	5.97
SPRINKLER FITTER (Fire Sprinklers).....	\$ 37.50	0.00
TILE FINISHER.....	\$ 11.22	0.00
TILE SETTER.....	\$ 14.25	0.00
TRUCK DRIVER: 1/Single Axle Truck.....	\$ 16.00	0.81
TRUCK DRIVER: Dump Truck.....	\$ 12.39	1.18
TRUCK DRIVER: Flatbed Truck.....	\$ 19.65	8.57
TRUCK DRIVER: Semi-Trailer Truck.....	\$ 12.50	0.00
TRUCK DRIVER: Water Truck.....	\$ 12.00	4.11

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

Attachment B-Prevailing Wage Rates

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

Attachment B-Prevailing Wage Rates

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Attachment B-Prevailing Wage Rates

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

Attachment C-Camera List

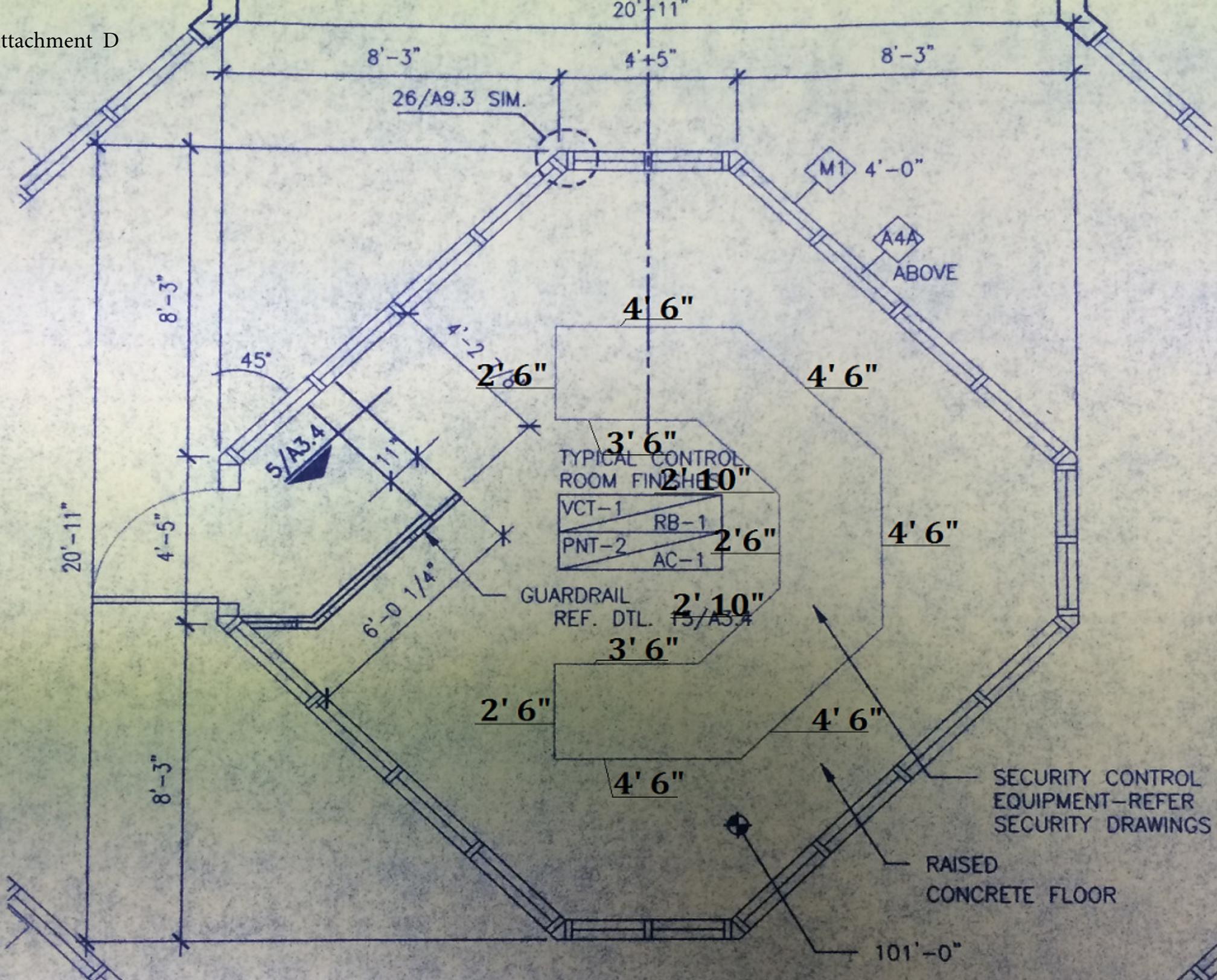
Camera #	Camera Location	Camera Type	Option 1 Camera Part #	Camera Mount #	Rating	Option 2 Type	Option 2 Camera Part #
1	CL 2 A	Fixed	VDN-5085-V321	Ceiling	Interior	PTZ	VG5-623-CTS
2	CL 2 B	Fixed	VDN-5085-V321	Ceiling	Interior	PTZ	VG5-623-CTS
3	CL 2 C	Fixed	VDN-5085-V321	Ceiling	Interior	PTZ	VG5-623-CTS
4	CL 2 D	Fixed	VDN-5085-V321	Ceiling	Interior	PTZ	VG5-623-CTS
5	CL 2 REC	Fixed	VDN-5085-V321/VDA-WMT-DOME	Wall	Interior	PTZ	VG5-624-PCS/VG4-A-PA0
6	Visitation Entrance	Fixed	VDN-5085-V321	Ceiling	Interior	PTZ	VG5-623-CTS
7	CL 2 School Admin	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
8	CL 2 OD Holding	Fixed	VDN-5085-V321/VDA-WMT-DOME	Wall	Exterior	Fixed	See Option 1
9	CL 2 Inside Vestibule	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
10	N/A	N/A	N/A		N/A	N/A	N/A
11	CL 3 A	Fixed	VDN-5085-V321	Ceiling	Interior	PTZ	VG5-623-CTS
12	CL 3 B	Fixed	VDN-5085-V321	Ceiling	Interior	PTZ	VG5-623-CTS
13	CL 3 C	Fixed	VDN-5085-V321	Ceiling	Interior	PTZ	VG5-623-CTS
14	CL 3 D	Fixed	VDN-5085-V321	Ceiling	Interior	PTZ	VG5-623-CTS
15	N/A	N/A	N/A		N/A	N/A	N/A
16	CL 3 REC	Fixed	VDN-5085-V321	Wall	Interior	PTZ	VG5-624-PCS/VG4-A-PA0
17	CL 3 Teacher Offices	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
18	CL 3 OD Holding	Fixed	VDN-5085-V321/VDA-WMT-DOME	Wall	Interior	Fixed	See Option 1
19	CL 3 Inside Vestibule	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
20	N/A	N/A	N/A		N/A	N/A	N/A
21	Sally port Entry	Fixed	VDN-5085-V321/VDA-WMT-DOME	Wall	Exterior	PTZ	VG5-624-ECS/VG4-A-PSU0
22	Sally port South	Fixed	VDN-5085-V321/VDA-WMT-DOME	Wall	Exterior	PTZ	VG5-624-ECS/VG4-A-PSU0
23	Sally port Exit	Fixed	VDN-5085-V321/VDA-WMT-DOME	Wall	Exterior	Fixed	See Option 1
24	Sally port Police Entry	Fixed	VDN-5085-V321/VDA-WMT-DOME	Wall	Exterior	Fixed	See Option 1
25	Main Public Entry	Fixed	VDN-5085-V321	Ceiling	Exterior	Fixed	See Option 1
26	Exterior South	Fixed	VDN-5085-V321/VDA-WMT-DOME	Wall	Exterior	PTZ	VG5-624-ECS/VG4-A-PSU0
27	Lobby	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
28	Courtroom	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
29	Intake West	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
30	Intake South	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
31	Medical	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1

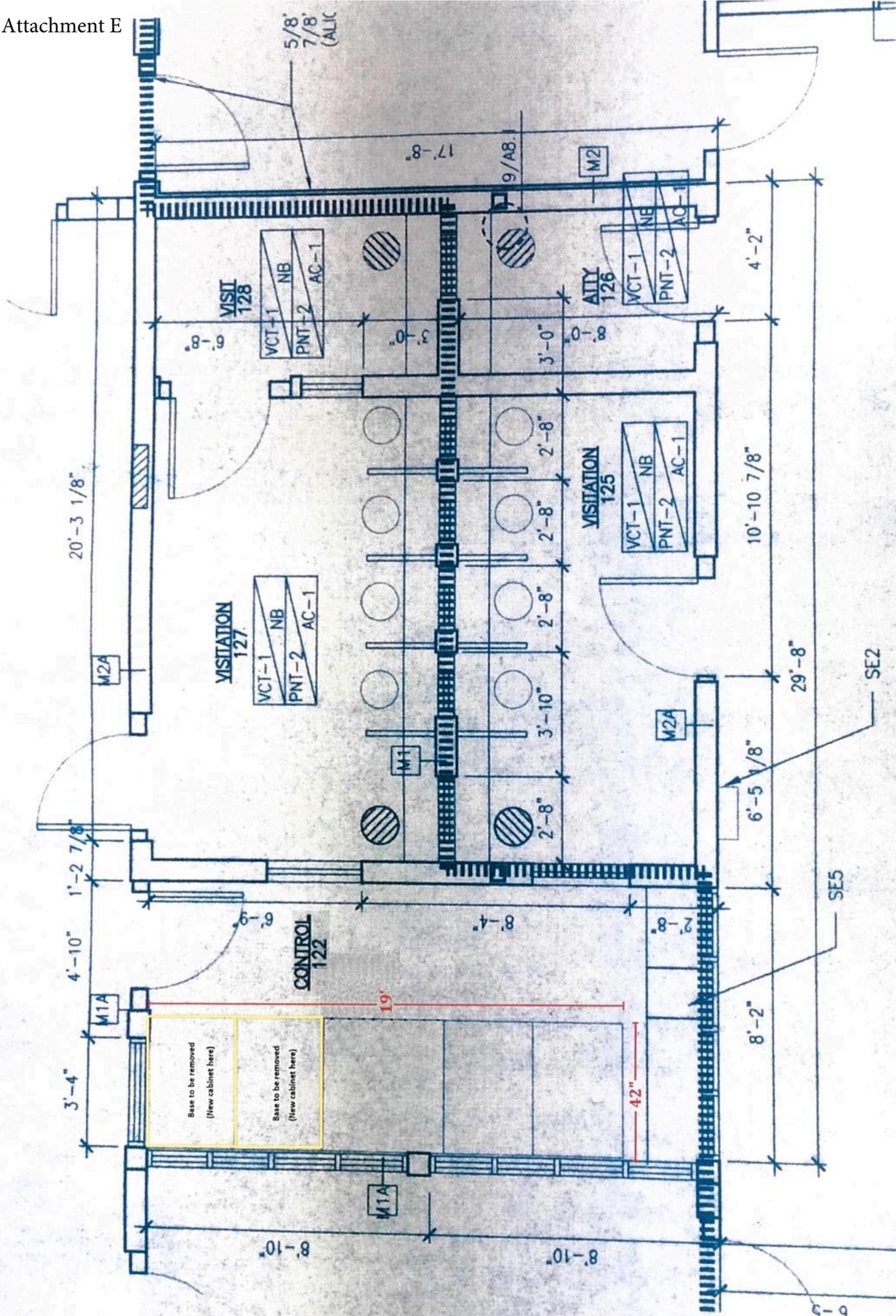
Attachment C-Camera List

Camera #	Camera Location	Camera Type	Option 1 Camera Part #	Camera Mount #	Rating	Option 2 Type	Option 2 Camera Part #
32	Laundry	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
33	CL 3 Library	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
34	Hallway South	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
35	Hallway West	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
36	Hallway North	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
37	Kitchen East	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
38	Kitchen West	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
39	Kitchen Entry	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
40	Inside Staff Entry	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
41	Outside Staff Entry	Fixed	VDN-5085-V321/VDA-WMT-DOME	Wall	Exterior	Fixed	See Option 1
42	Police Intake	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
43	Hallway East	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
44	N/A	N/A	N/A		N/A	N/A	N/A
45	Rear Exterior North	Fixed	VDN-5085-V321/VDA-WMT-DOME	Wall	Exterior	PTZ	VG5-624-ECS/VG4-A-PSU0
46	Rear Exterior South	Fixed	VDN-5085-V321/VDA-WMT-DOME	Wall	Exterior	PTZ	VG5-624-ECS/VG4-A-PSU0
47	CL 3 South Outer REC Entry	Fixed	VDN-5085-V321/VDA-WMT-DOME	Wall	Exterior	Fixed	See Option 1
48	OD REC South	Fixed	VDN-5085-V321/VDA-WMT-DOME	Wall	Exterior	Fixed	VG5-624-ECS/VG4-A-PSU0
49	CL 2 North Outer REC Entry	Fixed	VDN-5085-V321/VDA-WMT-DOME	Wall	Exterior	Fixed	See Option 1
50	OD REC South	Fixed	VDN-5085-V321/VDA-WMT-DOME	Wall	Exterior	PTZ	VG5-624-ECS/VG4-A-PSU0
51	CL 2 Library	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
52	CL 4 A	Fixed	VDN-5085-V321	Ceiling	Interior	PTZ	VG5-623-CTS
53	CL 4 B	Fixed	VDN-5085-V321	Ceiling	Interior	PTZ	VG5-623-CTS
54	CL 4 C	Fixed	VDN-5085-V321	Ceiling	Interior	PTZ	VG5-623-CTS
55	CL 4 D	Fixed	VDN-5085-V321	Ceiling	Interior	PTZ	VG5-623-CTS
56	CL 4 Library	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
57	CL 4 Library South	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
58	CL 4 South Exit Corridor	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
59	CL 4 South Exit Exterior	Fixed	VDN-5085-V321	Ceiling	Exterior	PTZ	VG5-624-ECS/VG4-A-9543
60	CL 4 Indoor REC Exit	Fixed	VDN-5085-V321	Ceiling	Interior	PTZ	VG5-623-CTS

Attachment C-Camera List

Camera #	Camera Location	Camera Type	Option 1 Camera Part #	Camera Mount #	Rating	Option 2 Type	Option 2 Camera Part #
61	CL 4 Indoor REC West	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
62	PTSO East PTZ	PTZ	VG5-624-ECS/VG4-A-PSU0	Wall	Exterior	PTZ	See Option 1
63	PTSO WEST PTZ	PTZ	VG5-624-ECS/VG4-A-PSU0/VG4-A-9542	Outside Corner	Exterior	PTZ	See Option 1
64	CL 4 OD Exit East	Fixed	VDN-5085-V321/VDA-WMT-DOME/VG4-A-9542	Outside Corner	Exterior	Fixed	See Option 1
65	N/A	N/A	N/A		N/A	N/A	
66	CL 3 Hallway South	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
67	CL 4 Hallway South	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
68	N/A	N/A	N/A		N/A	N/A	N/A
69	CL 3 OD Walkway South	Fixed	VDN-5085-V321/VDA-WMT-DOME	Wall	Exterior	Fixed	See Option 1
70	Parent Visitation	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
71	Resident Visitation	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
72	CL 2 Hallway North	Fixed	VDN-5085-V321	Ceiling	Interior	Fixed	See Option 1
73	CL 3 OD Walkway North	Fixed	VDN-5085-V321/VDA-WMT-DOME	Wall	Exterior	Fixed	See Option 1





7 CONTROL/VISITATION

SCALE: 1/4" = 1'-0"

Attachment F-Touchscreen Equipment List

QTY	Description	Notes	
5	Touchscreen Control Computer Stations	Dell Optiplex 9020 Minitower or approved equal	With wireless mouse and keyboard
5	Touchscreen Monitors	Medical Grade Touchscreen Monitors ELO1928L or approved equal	Black
2	Control Room Touchscreen	Medical Grade Touchscreen Monitors 2401 LM 24" or approved equal	Black
5	HMI Software License		
QTY	Description	Notes	
11	Intercom Audio Control Relay Boards	25 relays each	
4	Audio Amps		
4	VoIP Audio Modules	Door Control Relay Modules	
4	PLC Control Modules & License	Includes power supplies, inputs, outputs, Net Card, backplane, cables	
4	Lantronix Comm Modules	Terminals, Relays, Fuses	
4	Gigabyte Network Switch	8 and 24 Port Switches	
Misc.	Data Cable and Wiring	Audio Cable, Power Supplies Door Control and Audio	

Attachment G-Camera System Equipment List

Qty.	Equipment Description	Manufacturer & Part Number	Notes
5	Divar 5000 16 Port Channel DVR w/ 2 TB	Bosch Divar 5000	
10	Divar 5000 3 TB Drive	Bosch DVR-XS300-A with accessory cables	
3	48" Equipment Rack	TrippLite 48U SmartRack Enclosure- Black w Dual Fans, or Collin County approved equal	
5	16 Position Altronix Power Supply	Altronix DSR2416ULCBI, or Collin County approved equal	
2	16 Position Bilinx Data Convertor	Bosch LTC 8016	Per Option 2-for added PTZs
6	Video Quad Splitters	American Dynamics QUAD Model #: ADQUAD77 or Collin County approved equal	
7	42" LED Flat Monitors with Mounts	Bosch UML-423-90 or Collin County approved equal	4 in Building Control and 1 per Cluster Control
6	27" LED Flat Monitors with Mounts	Bosch UML-273-90 or Collin County approved equal	1 per Cluster Control; 2 in Building Control; 1 in Admin Office
6	Bosch Keypad Controllers	Bosch or Collin County approved equal	2 in Building Control; 1 per Cluster Control; 1 in Admin Office
1	Allegiant Matrix LTC 8601/60	Bosch	
4	LTC 8808/00	Bosch	
3	Quad Splitters	Bosch	Needed to split the four POD cameras per Cluster.



SOLID PHENOLIC COMPACT

BY DURCON®

- Counter Tops
- Table Tops
- wall cladding
- Shelving
- Partitions
- for
- R&D
- Science
- Education
- Healthcare
- Forensics
- Government



Solid Phenolic Compact (SPC) by Durcon is the newest work surface solution for high impact areas such as laboratories, production and healthcare facilities. Engineered for horizontal or vertical applications, these durable self-supporting surfaces are available in three grades and hundreds of color options. Best yet, SPC surfaces are manufactured in America and backed by Durcon Incorporated, the global leader in high quality resin surfacing solutions.



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SOLID PHENOLIC COMPACT

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Solid Phenolic Compact (SPC) worksurfaces by Durcon® are the functional and decorative surfacing options for a wide variety of horizontal and vertical applications. Plus, SPC by Durcon has FSC availability, is Greenguard Gold certified, LEED friendly and proudly manufactured in America. Three grades are now available, each based upon specific performance solutions.

THREE SPC VARIETIES



STANDARD GRADE SPC

Standard Grade SPC is the “rhino tough” surfacing solution designed for a multitude of horizontal and vertical applications. With multiple thicknesses available plus standard, specialty and custom color and finish options, Standard Grade SPC is the all-around surface that meets almost any requirement.



CHEMICAL RESISTANT SPC

Chemical Resistant SPC infuses our Standard Grade material with an additional barrier (both top and bottom) that resists a variety of acids, solvents, general reagents and cleaning agents.



FIRE RATED SPC

Fire Rated SPC is thick Standard Grade SPC with fire retardant properties that are suitable for applications where fire ratings of A/1 are required by building codes.

APPLICATIONS

- Light-duty Lab Worksurfaces
- Shelving & Curbs
- Healthcare Doctor's Offices
- Wall Cladding
- Technical Assembly Stations
- Cabinet Components
- Partitions

- Laboratory Worksurfaces
- Reagent Shelving
- Prep Room Worksurfaces
- Science Table Tops
- Mobile Carts

- Elevator Cabs
- Stairwells
- Hospitals
- Airports
- Marine / Aerospace

EXPANDED COLOR OFFERING

All Durcon SPC surfaces are available in traditional laboratory colors and many previously unavailable neutral colors and patterns. Plus, all surfaces are double-sided with the identical finish on the top and bottom sides. This feature makes the visible bottom of shelving more attractive and can increase the number of usable applications and overall lifespan of the surface.

- Three Traditional Colors: Black, Fashion Gray and Designer White (1" and 3/4" thick stock inventoried and ready for fabrication).
- Twelve additional Standard Colors made to order including Atlantis Blue, Hunter Green and Pepperdust Beige (typically available in three weeks or our published lead times, whichever is longer).
- Over 100 additional varieties including wood and textures (contact a Durcon sales representative for details).

In-stock Colors!



Additional Colors



Color swatches are provided for general reference only. Please obtain a sample chip to verify color prior to ordering.

THICKNESS OPTIONS - STANDARD & CUSTOM

All three SPC varieties are currently available in standard 1" [25 mm], 3/4" [19 mm], 1/2" [13 mm], and 1/4" [6mm] thicknesses. We can also provide custom thickness surfacing solutions to meet virtually any specified design criteria.

ORDER TODAY!

Solid Phenolic Compact by Durcon surfaces are available now. Please submit your requirements to us for a rapid turnaround. Quote requests and orders are being processed today.

CERTIFICATIONS & AFFILIATIONS



SPC Samples

Submit your sample requests through Durcon's website:
WWW.DURCON.COM

FLEXIDOME AN outdoor 5000

www.boschsecurity.com



BOSCH

Invented for life



- ▶ Ultra high resolution 960H sensor
- ▶ High Dynamic Range to see bright and dark details simultaneously
- ▶ High impact, vandal-resistant, weatherproof housing
- ▶ Bilinx communication for remote set-up and control
- ▶ Easy to install

The FLEXIDOME 5000 camera is the ultimate solution for virtually any indoor or outdoor surveillance application. This vandal-resistant dome camera uses a high performance 960H 1/3-inch CCD sensor with a resolution of 720TVL. The sensor, the high dynamic range engine and the advanced image processing technology combine to provide a detailed image with outstanding accuracy in color reproduction even under harsh lighting conditions. True day/night performance ensures the highest image quality possible at any time, day or night. The camera is easy to install and ready to use, and offers the best solution for demanding scene conditions.

System overview

The cast-aluminum housing, polycarbonate dome, and hardened inner liner can withstand the equivalent of 55 kg (120 lbs) of force. The enclosure contains the full-featured camera and integral varifocal lens. Ideal for outdoor use, the cameras are protected against water and dust to IP66 and NEMA Type 4X standards. The camera enclosure provides the extra protection necessary for applications such as schools, banks, prisons, parking garages, retail and industrial buildings.

Installation is quick and easy, as the camera comes completely assembled and ready to use. Using the proprietary pan/tilt/rotation mechanism, installers can select the exact field of view. Mounting options are numerous, including surface, 4S (USA), wall, corner and suspended ceiling. The compact, sleek design and virtually flush-mount appearance complements any decor.

The camera is supplied ready to operate. Six distinct pre-programmed operational modes are stored in the camera. Recall the mode that suits your application for optimized performance.

Functions

Detail in extreme lighting

In harsh lighting, the difference between the brightest and the darkest parts of a scene can be extreme. To produce a clear picture in these conditions, the CCD sensor in the camera generates two images; one long exposure to resolve details in the scene's darkest areas, and one short exposure to resolve details in the scene's brightest areas. The advanced image processing technology in the camera combines these dual shutter images, mixing pixels from each exposure

to produce the most detailed image possible. The superior wide dynamic range for all lighting conditions reveals details previously unseen.

Day/Night mode

The day/night mode provides enhanced night viewing by increasing the IR sensitivity. The IR filter can switch from color to monochrome automatically by either sensing the illumination level or via the alarm input. The filter can be switched manually via the alarm input, through the camera menu or via the Bilinx coaxial control interface. An internal through-the-lens IR detector enhances the monochrome mode stability, as it prevents reverting to the color mode when IR illumination is dominant. IR contrast is also measured and used to handle reflected IR light in outdoor scenes.

Ease of installation

The lens wizard helps focus the lens at the maximum opening to ensure proper back-focus is maintained throughout the 24-hour cycle. No special tools or filters are required.

Six independent, pre-programmed operating modes support typical applications, but are fully programmable for individual situations. Switching between modes is easy via Bilinx or the external alarm input.

Several other features are available that make installation easy:

- Video BNC and power connectors on flying leads.
- A built-in test pattern generator produces signals to test and fault-find cables.
- A multi-language On-Screen Display (OSD).
- A high efficiency power supply improves maximum operating temperature

Cable compensation is used to avoid the need for amplifiers in long distance coaxial connections up to 1000 m (3000 ft). It can prevent the image quality degradation caused by signal losses from long cable lengths.

Bilinx technology

Bilinx is a bidirectional communication capability embedded in the video signal of this camera. Installers can check status, change camera settings and even update firmware from virtually anywhere along the video cable. Bilinx reduces service and installation time, provides for more accurate set-up and adjustment, and improves overall performance. In addition, Bilinx uses the standard video cable to transmit alarm and status messages, providing superior performance without additional installation steps.

Ideal picture performance

There are many settings available to help fine-tune the picture performance to match your installation environment. These include:

- Smart BLC – automatically and dynamically compensates for strong backlight

- Peak White Invert – reduces glare from highlight areas
- Contrast and sharpness – enhance details in bright or misty scenes
- SensUp – sensitivity is dramatically enhanced by a factor of 10
- Default shutter – improves the motion performance in auto exposure mode
- Dynamic noise reduction – dynamically reduces noise in the picture

Privacy masking

Fifteen different privacy zones allow specific parts of a scene to be blocked. Pre-program any part of the scene to be masked.

Video Motion Detection

The built-in video motion detector allows you to select four programmable areas with sensitivity thresholds. When motion is detected, alarms can be displayed in the video signal or an alarm message can be transmitted via Bilinx.

Lens Options

With this dome camera, there is no compromise between scene coverage and aesthetics of the camera. The camera brings the widest choice of lens selection. Choose lenses between 2.8 to 10.5 mm for wide coverage, 9 to 22 mm VF lens for standard coverage, or 18 to 50 mm for long-rang coverage.

Typical applications

- Entrance foyer/lobby with glass
- Warehouses and loading bays
- Prisons and correctional facilities
- Airport locations including:
 - baggage handling
 - fuel and equipment storage
- Stadium

Certifications and approvals

Electro Magnetic Compatibility

Emission	EN 55022 class B, FCC part 15 class B, EN61000-3-2, EN61000-3-3, EN50121-4
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Immunity	EN 50130-4, EN 50121-4
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Vibration	IEC 60068-2-6
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Safety

EN60950-1, UL60950-1 (2ND edition), CSA C22.2 No. 60950-1-07 (2ND edition)

Region	Certification
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Europe	CE
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USA	UL
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	FCC
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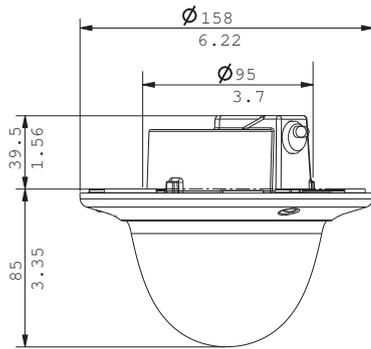
Canada	CSA
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Installation/configuration notes

FLEXIDOME 5000 model overview

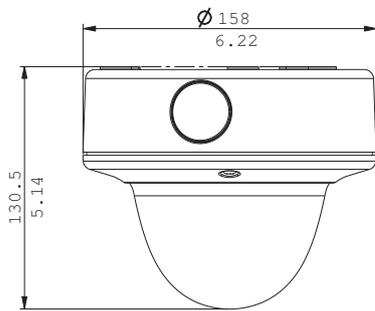
Model	Standard	Lens
VDN-5085-V311	PAL	2.8 to 10.5 mm F1.2
VDN-5085-V321	NTSC	2.8 to 10.5 mm F1.2
VDN-5085-V911	PAL	9 to 22 mm F1.4
VDN-5085-V921	NTSC	9 to 22 mm F1.4
VDN-5085-VA11	PAL	18 to 50 mm F1.5
VDN-5085-VA21	NTSC	18 to 50 mm F1.5

Flush Mounting



Dimensions in mm (in.)

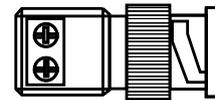
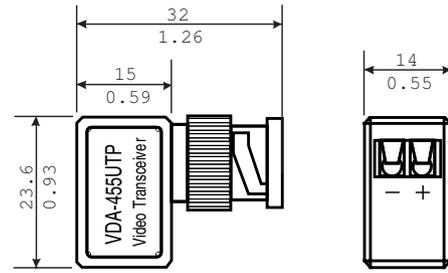
VDA-455SMB-Surface Mount Box



Dimensions in mm (in.) for surface mounting

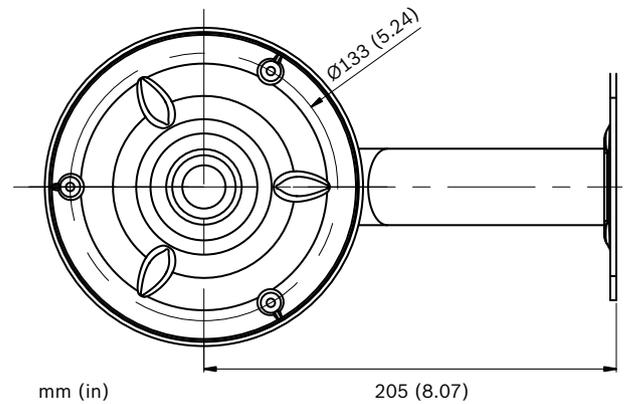
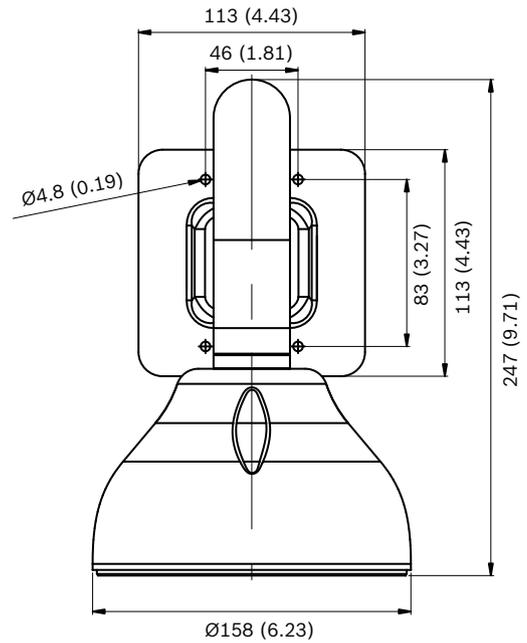
Accessories (not included)

BNC to UTP Transceiver

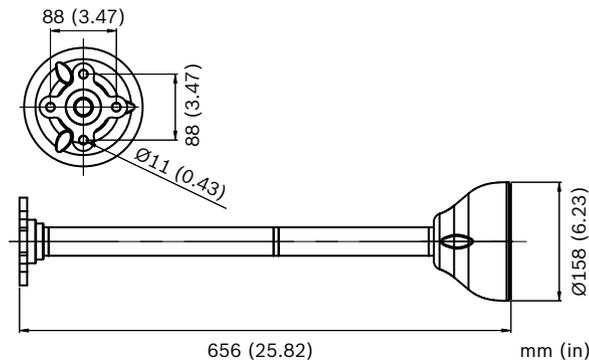


Dimensions in mm (in.)

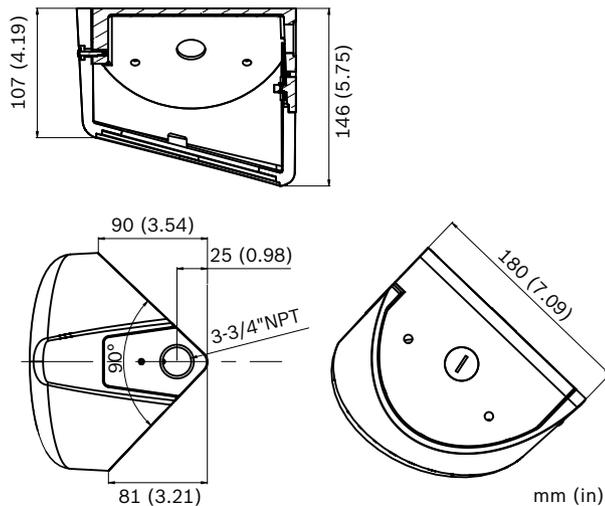
VDA-WMT-DOME -Pendant Wall Mount



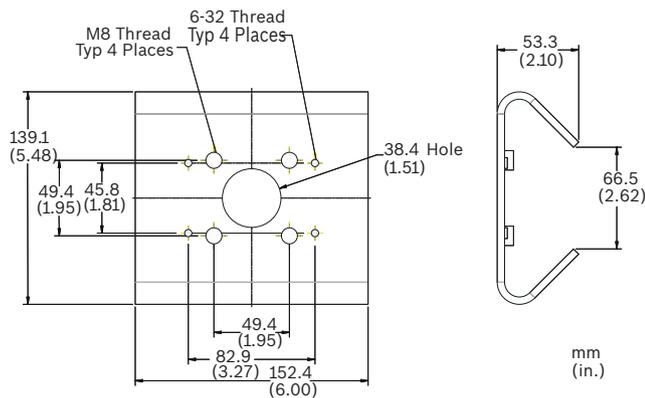
VDA-PMT-DOME –Pendant Pipe Mount



VDA-CMT-DOME –Corner Mount



LTC 9213/01 Pole Mount Adapter



Technical specifications

Electrical

Model No.	Rated Voltage	Rated Frequency
VDN-5085-V311, VDN-5085-V911, VDN-5085-VA11	12 VDC / 24 VAC	50 Hz

VDN-5085-V321, VDN-5085-V921, VDN-5085-VA21	12 VDC / 24 VAC	60 Hz
Power Consumption	360 mA (12 VDC), 700 mA with heater on 330 mA (24 VAC), 650 mA with heater on	
Image Sensor	960H, 1/3" DS CCD, sensor resolution 720TVL, WDR dual shutter	
System	PAL or NTSC	
Total pixels (H x V)	1020 x 596 (PAL) 1020 x 508 (NTSC)	
Effective pixels (H x V)	976 x 582 (PAL) 976 x 494 (NTSC)	

Sensitivity Lens 2.8 to 10.5 mm (3200K, scene reflectivity 89%, transmission 68%, F1.2)"

	Full video (100 IRE)	Usable picture (50 IRE)	Usable picture (30 IRE)
Color	0.7 lx (0.0651 fc)	0.13 lx (0.0121 fc)	0.06 lx (0.00558 fc)
Color + SensUp 10x	0.07 lx (0.00651 fc)	0.013 lx (0.00121 fc)	0.006 lx (0.000558 fc)
Monochrome	0.3 lx (0.0279 fc)	0.06 lx (0.00558 fc)	0.03 lx (0.00279 fc)
Monochrome SensUp 10x	0.03 lx (0.00279 fc)	0.006 lx (0.000558 fc)	0.003 lx (0.000279 fc)

Sensitivity Lens 9 to 22 mm (3200K, scene reflectivity 89%, transmission 68%, F1.4)"

	Full video (100 IRE)	Usable picture (50 IRE)	Usable picture (30 IRE)
Color	1 lx (0.0930 fc)	0.17 lx (0.0158 fc)	0.08 lx (0.00744 fc)
Color + SensUp 10x	0.1 lx (0.00930 fc)	0.017 lx (0.00158 fc)	0.008 lx (0.000744 fc)
Monochrome	0.4 lx (0.0372 fc)	0.08 lx (0.00744 fc)	0.04 lx (0.00372 fc)
Monochrome SensUp 10x	0.04 lx (0.00372 fc)	0.008 lx (0.000744 fc)	0.004 lx (0.000372 fc)

Sensitivity Lens 18 to 50 mm (3200K, scene reflectivity 89%, transmission 68%, F1.5)"

	Full video (100 IRE)	Usable picture (50 IRE)	Usable picture (30 IRE)
Color	1.1 lx (0.102 fc)	0.2 lx (0.0186 fc)	0.09 lx (0.00836 fc)
Color + SensUp 10x	0.11 lx (0.0102 fc)	0.02 lx (0.00186 fc)	0.009 lx (0.000836 fc)

Monochrome	0.5 lx (0.0465 fc)	0.09 lx (0.00836 fc)	0.05 lx (0.00465 fc)
Monochrome SensUp 10x	0.05 lx (0.00465 fc)	0.009 lx (0.000836 fc)	0.005 lx (0.000465 fc)
Signal-to-Noise Ratio	>54 dB		
Video Output	Composite video 1 Vpp, 75 ohm		
Synchronization	Internal, Line Lock		
Shutter	Auto (1/50 [1/60] to 1/100000) selectable, fixed, flickerless, default		
Sensitivity Up	Adjustable from Off up to 10x		
Day/Night	Color, Mono, Auto		
Dynamic Engine	XF-Dynamic, HDR, Smart BLC		
Dynamic Range	94 dB (WDR)		
Dynamic Noise Reduction	2D-NR, 3D-NR		
AGC	AGC On or Off (0 – 40 dB) selectable		
Smart BLC	On/Off		
Peak White Invert	On/Off		
White Balance	ATW Indoor, ATW Outdoor, ATW hold and Manual		
Contrast Enhancement	Low, Medium, High		
Sharpness	Sharpness enhancement level selectable		
Alarm Output	VMD or Bilinx		
Cable Compensation	Up to 1000 m (3000 ft) coax without external amplifiers (automatic set-up in combination with Bilinx coaxial communication)		
Camera ID	17 character editable string, position selectable		
Test Pattern Generator	Color bar, Raster, Impulse, Cross Impulse, Cross hatch,		
Modes	6 preset programmable modes		
Remote Control	Bilinx coaxial bi-directional communication		
Video Motion Detection	4 areas, fully programmable		
Privacy Masking	15 independent areas, fully programmable		
E-Zoom	Up to 16x		
Digital Image Stabilizer	On/Off		
Controls	OSD with soft-key operation		
OSD Language	English, French, German, Spanish, Portuguese, Simplified Chinese, Russian		

Optical

Varifocal	Manual zoom and focus adjustment
Iris control	Automatic iris control

Viewing angle

2.8 to 10.5 mm	Wide 101.8° x 73.7° (H x V) Tele 27.4° x 20.6° (H x V)
9 to 22 mm	Wide: 32.1° x 23.3° (H x V) Tele: 13.1° x 9.8° (H x V)
18 to 50 mm	Wide: 14.6° x 10.9° (H x V) Tele: 5.6° x 4.2° (H x V)

Mechanical

Dimensions	See drawings
Weight	750 g (1.65 lb)
Mounting	Flush on hollow surface with three (3) screws in a 4S electrical box
Color	White (RAL9010) trim ring with black inner liner
Adjustment range	360° pan, 90° tilt, ±90° azimuth
Dome bubble	Polycarbonate, clear with UV blocking anti-scratch coating
Trim ring	Aluminum

Environmental

Operating temperature default (with heater off)	-30 °C to +55 °C (-22 °F to +131 °F)
Operating temperature (with heater on)	-50 °C to +55 °C (-58 °F to +131 °F)
Storage temperature	-55 °C to +70 °C (-67 °F to +158 °F)
Operating humidity	5% to 93% relative humidity
Storage humidity	Up to 98% relative humidity
Impact protection	IEC 60068-2-75 test Eh, 50 J EN 50102, exceeding IK 10
Water/dust protection	IP66 and NEMA Type-4X

Ordering information

FLEXIDOME AN outdoor 5000

960H analog outdoor WDR dome camera. IP66; IK10; 12VDC/24VAC; true day/night; 720 TVL; 3-axis adjustment; 4-zone motion detect; 15-zone privacy mask; varifocal 2.8 to 10.5 mm lens; 50 Hz; PAL
Order number **VDN-5085-V311**

FLEXIDOME AN outdoor 5000

960H analog outdoor WDR dome camera. IP66; IK10; 12VDC/24VAC; true day/night; 720 TVL; 3-axis adjustment; 4-zone motion detect; 15-zone privacy mask; varifocal 2.8 to 10.5 mm lens; 60 Hz; NTSC
Order number **VDN-5085-V321**

FLEXIDOME AN outdoor 5000

960H analog outdoor WDR dome camera. IP66; IK10; 12VDC/24VAC; true day/night; 720 TVL; 3-axis adjustment; 4-zone motion detect; 15-zone privacy mask; varifocal 9 to 22 mm lens; 50 Hz; PAL
Order number **VDN-5085-V911**

FLEXIDOME AN outdoor 5000

960H analog outdoor WDR dome camera. IP66; IK10; 12VDC/24VAC; true day/night; 720 TVL; 3-axis adjustment; 4-zone motion detect; 15-zone privacy mask; varifocal 9 to 22 mm lens; 60 Hz; NTSC
Order number **VDN-5085-V921**

FLEXIDOME AN outdoor 5000

960H analog outdoor WDR dome camera. IP66; IK10; 12VDC/24VAC; true day/night; 720 TVL; 3-axis adjustment; 4-zone motion detect; 15-zone privacy mask; varifocal 18 to 55 mm lens; 50 Hz; PAL
Order number **VDN-5085-VA11**

FLEXIDOME AN outdoor 5000

960H analog outdoor WDR dome camera. IP66; IK10; 12VDC/24VAC; true day/night; 720 TVL; 3-axis adjustment; 4-zone motion detect; 15-zone privacy mask; varifocal 18 to 55 mm lens; 60 Hz; NTSC
Order number **VDN-5085-VA21**

FLEXIDOME AN outdoor 5000

960H analog outdoor WDR dome camera. IP66; IK10; 12VDC/24VAC; true day/night; 720 TVL; 3-axis adjustment; 4-zone motion detect; 15-zone privacy mask; varifocal 2.8 to 10.5 mm lens; surface mount; 50 Hz; PAL
Order number **VDN-5085-V311S**

FLEXIDOME AN outdoor 5000

960H analog outdoor WDR dome camera. IP66; IK10; 12VDC/24VAC; true day/night; 720 TVL; 3-axis adjustment; 4-zone motion detect; 15-zone privacy mask; varifocal 2.8 to 10.5 mm lens; surface mount; 60 Hz; NTSC
Order number **VDN-5085-V321S**

FLEXIDOME AN outdoor 5000

960H analog outdoor WDR dome camera. IP66; IK10; 12VDC/24VAC; true day/night; 720 TVL; 3-axis adjustment; 4-zone motion detect; 15-zone privacy mask; varifocal 9 to 22 mm lens; surface mount; 50 Hz; PAL
Order number **VDN-5085-V911S**

FLEXIDOME AN outdoor 5000

960H analog outdoor WDR dome camera. IP66; IK10; 12VDC/24VAC; true day/night; 720 TVL; 3-axis adjustment; 4-zone motion detect; 15-zone privacy mask; varifocal 9 to 22 mm lens; surface mount; 60 Hz; NTSC
Order number **VDN-5085-V921S**

FLEXIDOME AN outdoor 5000

960H analog outdoor WDR dome camera. IP66; IK10; 12VDC/24VAC; true day/night; 720 TVL; 3-axis adjustment; 4-zone motion detect; 15-zone privacy mask; varifocal 18 to 50 mm lens; surface mount; 50 Hz; PAL
Order number **VDN-5085-VA11S**

FLEXIDOME AN outdoor 5000

960H analog outdoor WDR dome camera. IP66; IK10; 12VDC/24VAC; true day/night; 720 TVL; 3-axis adjustment; 4-zone motion detect; 15-zone privacy mask; varifocal 18 to 50 mm lens; surface mount; 60 Hz; NTSC
Order number **VDN-5085-VA21S**

Accessories**VDA-455SMB**

High impact surface mount box for dome cameras
Order number **VDA-455SMB**

VDA-455UTP

Adaptor for UTP twisted pair output
Order number **VDA-455UTP**

S1460 Service/Monitor Cable

2.5 mm jack to BNC video connector cable. 1 m
Order number **S1460**

VDA-WMT-DOME Wall Pendant Mount Bracket

Wall pendant mount bracket for FlexiDome cameras
Order number **VDA-WMT-DOME**

VDA-CMT-DOME Corner Mount Bracket

Corner mount bracket for FlexiDome cameras
Order number **VDA-CMT-DOME**

VDA-PMT-DOME Pendant Pipe Mount Bracket

Pendant pipe mount bracket for FlexiDome cameras
Order number **VDA-PMT-DOME**

LTC 9213/01 Pole Mount Adapter

Flexible pole mount adapter for camera mounts. Max. 9 kg (20 lb); 3 to 15 inch diameter pole; stainless steel straps
Order number **LTC 9213/01**

UPA-2420-50 Power Supply

Power supply for cameras. 220 VAC, 50 Hz In; 24 VAC, 20 VA Out
Order number **UPA-2420-50**

UPA-2430-60 Power Supply

Power supply for camera. 120 VAC, 60 Hz; 24 VAC, 30 VA Out

Order number **UPA-2430-60**

UPA-2450-50 Power Supply, 220 V, 50 Hz

Indoor power supply for camera. 220 VAC, 50 Hz In; 24 VAC, 50 VA Out

Order number **UPA-2450-50**

UPA-2450-60 Power Supply, 120 V, 60 Hz

Indoor power supply for camera. 120 VAC, 60 Hz In; 24 VAC, 50 VA Out

Order number **UPA-2450-60**

VDA-455TBL Tinted bubble

Tinted bubble for FlexiDome series

Order number **VDA-455TBL**

VDA-455CBL Clear bubble

Clear Bubble for FlexiDome series

Order number **VDA-455CBL**

EX12LED-3BD-8M Infrared Illuminator

Mini IR 850 nm illuminator. LED array; 3D Diffuser; black; 17 m HFOV; 30° beam pattern

Order number **EX12LED-3BD-8M**

EX12LED-3BD-8W Infrared Illuminator

Mini IR 850 nm illuminator. LED array; 3D Diffuser; black; 16 m HFOV; 60° beam pattern

Order number **EX12LED-3BD-8W**

EX12LED-3BD-9M Infrared Illuminator

Mini IR 940 nm illuminator. LED array; 3D Diffuser; black; 17 m HFOV; 30° beam pattern

Order number **EX12LED-3BD-9M**

EX12LED-3BD-9W Infrared Illuminator

Mini IR 940 nm illuminator. LED array; 3D Diffuser; black; 16 m HFOV; 60° beam pattern

Order number **EX12LED-3BD-9W**

TC8235GIT Ground Loop Isolation Transformer

Order number **TC8235GIT**

Software Options**VP-CFGSFT Configuration Software**

Configuration software for cameras using Bilinx. VP-USB adaptor

Order number **VP-CFGSFT**

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R2416ULCBI **Isolated Rack Mount CCTV Power Supply**

Rev. DSR2416ULCBI_10252012



R2416ULCBI

Overview

R2416ULCBI provides 24VAC distributed via sixteen (16) isolated PTC protected Class 2 Rated power limited outputs for powering CCTV cameras, heaters and other video accessories.

Specifications

Input:

- 115VAC, 50/60Hz, 5.4 amp.

Output:

- Sixteen (16) isolated PTC protected Class 2 Rated power limited outputs.
- 24VAC @ 25 amp (600VA) supply current (1.6 amp per device, 2.5 amp max.)
- Outputs are rated @ 2.5 amp.
- Surge suppression.

Electrical:

- Operating temperature: 0° C to 49° C ambient.
- 227 BTU/Hr.
- System AC input VA requirement: 690VA.

Features:

- Sixteen (16) power LEDs.
- Illuminated master power disconnect circuit breaker with manual reset.
- 3-wire grounded line cord.
- Removable terminal blocks with locking screw flange.

Mechanical:

- 2U rack mount chassis for use in standard EIA 19" rack.
- Enclosure Dimensions (H x W x D approx.): 3.26" (83mm) x 19.125" (486mm) x 8.5" (216mm)
- Product weight (approx.): 24.4 lbs. (11.07 kg).
- Shipping weight (approx.): 25.4 lbs. (11.52 kg).

Agency Approvals



UL Listed for Commercial CCTV Equipment (UL 2044).

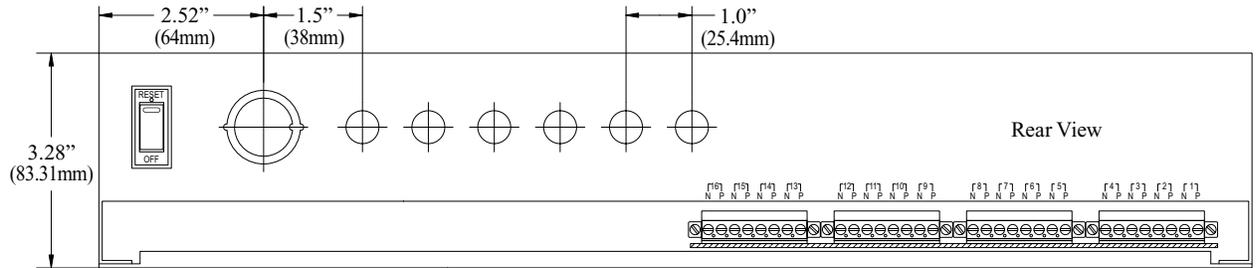
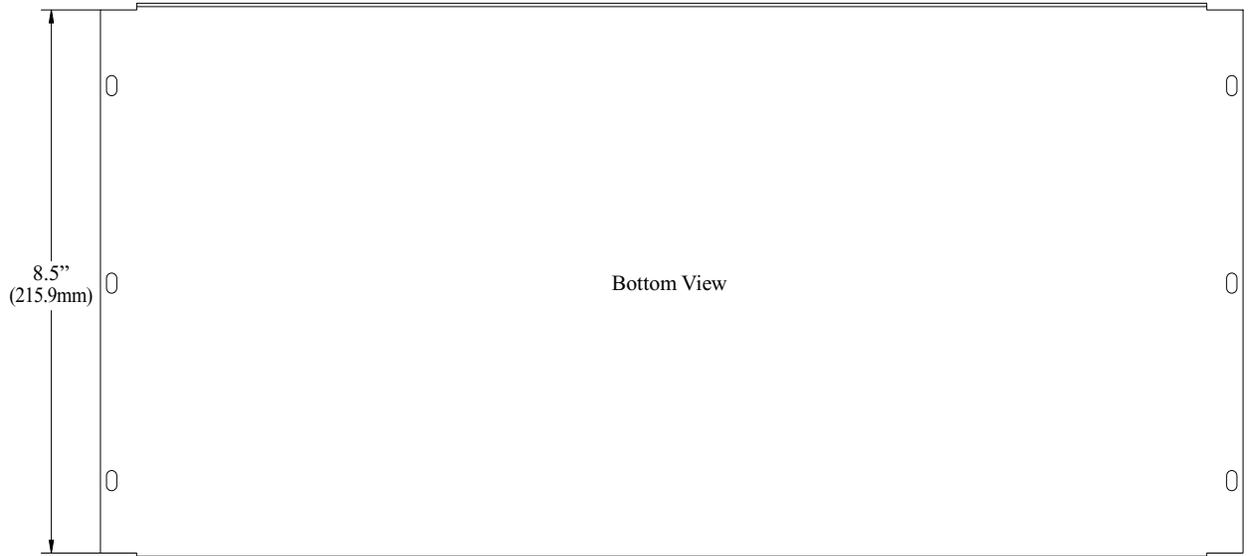
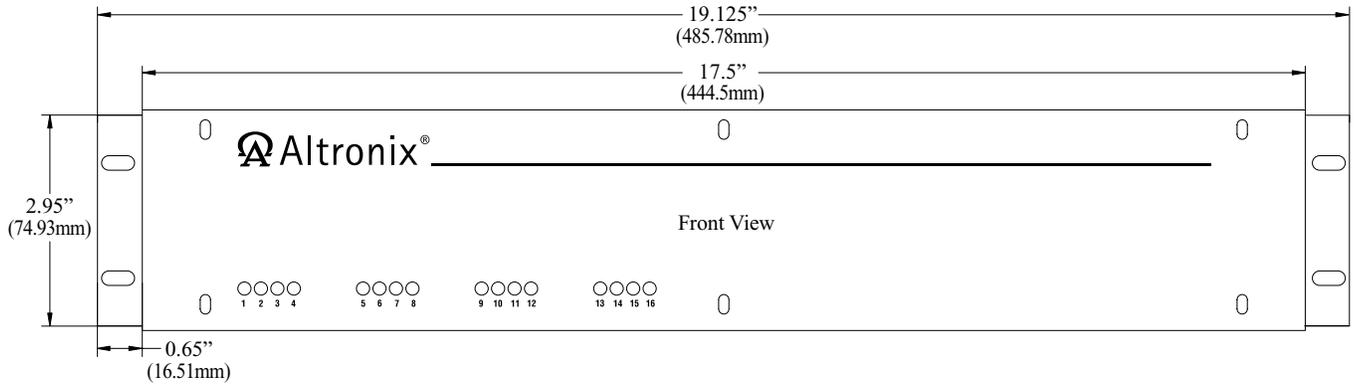


CUL Listed - CSA Standard C22.2 No.1-98, Audio, Video and Similar Equipment.



European Conformity

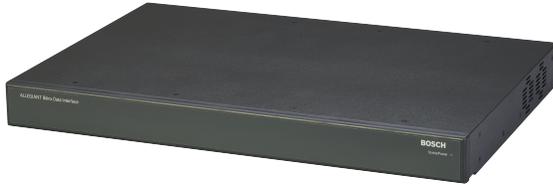
Enclosure Dimensions (H x W x D) (approximate):
 3.26" (83mm) x 19.125" (486mm) x 8.5" (216mm)




BOSCH

Invented for life

LTC 8016/90 Allegiant Bilinx Data Interface



- ▶ **Bilinx technology interface for Allegiant Series matrix switcher/controllers**
- ▶ **Up-the-coax Pan/Tilt/Zoom (PTZ), auxiliary, and pre-position control**
- ▶ **Down-the-coax event reporting**
- ▶ **Auto-sensing setup for simplified installation**
- ▶ **Data input allows other devices to control Bilinx PTZ cameras**
- ▶ **Cascade units to control up to 496 Bilinx cameras**

The LTC 8016/90 Allegiant Bilinx Data Interface unit is an accessory used for communicating over-the-coax, with up to 16 Bilinx-capable AutoDome® and/or Dinion™ Series cameras. Compatible with all seven Allegiant Series matrix switcher/controllers, the LTC 8016 provides complete control of pan/tilt/zoom, auxiliaries, and pre-position functions of Bilinx enabled AutoDome Series cameras. In addition, complete programming of Dinion Series cameras and AutoDomes via their on-screen menus is supported.

Functions

Bilinx technology also supports camera-generated event reporting to the Allegiant. This technology allows remote alarm inputs and motion event data to be sent to the Allegiant without the need for additional wiring between the camera site and the main control location.

The LTC 8016 is designed so that other Bi-Phase code generating products, like Bosch Digital Video Recorders, can be used with the unit for control of PTZ functions and camera menu access over the video cable. This high level of flexibility provides a low cost per channel solution whenever control and configuration of remote cameras is needed.

With Bilinx technology, installation costs are reduced because no additional data communication cabling to the camera site is required. Installation time is also reduced; once the cameras and data cable to the LTC 8016 are connected, and its group ID number is set, all other internal settings are configured automatically.

Use of the LTC 8016 also reduces camera installation time because there is no need to set AutoDome site addresses. At initial connection of an AutoDome camera to the LTC 8016, its identification is automatically established.

The LTC 8016 is supplied in an enclosure compatible with mounting in an EIA 48 cm (19 in.) rack, requiring only a 1-unit rack height. To support large systems, up to 31 units can be cascaded, comprising up to 496 Bilinx-compatible cameras.

The LTC 8016 can also be used to transmit Bilinx communications over a number of video transmission systems. Example devices include fiber optic links and external balun devices that use CAT5 twisted pair cables for video communication.

Certifications and Approvals

Electromagnetic Compatibility (EMC)	Complies with FCC Part 15, ICES-003 and CE regulations
Product Safety	Complies with CE regulations, UL, CSA, EN and IEC Standards

Technical Specifications

Electrical

Voltage Range	108 to 264 VAC, 50/60 Hz
Power at Rated Voltage	15 W

Maximum Video Signal Distances

Coax	Up to 300 m (1000 ft) using standard CCTV-grade RG-59U with copper center conductor and copper braided shield; up to 600 m (2000 ft.) using CCTV-grade RG-11 or RG-6.
Fiber	Up to 600 m (2000 ft) using LTC 4630 and LTC 4631 Series fiber optic modules. Note: This distance includes the length of coax cables used between the devices and the fiber optic link.
Other	Up to 230 m (750 ft) using CAT5E cable that meets ANSI/TIA/EIA-568-A requirements with NV-211 or NV-214 A-M BNC-to-twisted Balun devices (or similar passive device pair). Note: When using twisted pair links of this type, some degradation in video quality may be experienced at distances beyond 150°m (500°ft).

Front Panel Indicators

Status / Power	LED
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Rear Panel Indicators

System Data Link Indicator	Green LED
Data Activity Indicator	Yellow LED
Bi-Phase Code Indicator	Green LED
Bilinx Video Signal Presence	One (1) green LED for each of 16 channels
Ethernet Port	Green LED indicates link; Yellow LED indicates activity

Rear Panel Controls

Group ID	Three (3) rotary switches
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Rear Panel Connectors

Bilinx Video Inputs	16 BNC connectors; accepts standard NTSC/PAL baseband composite video signals or video signals from Bilinx-capable cameras; 0.5–1.4 Vp-p; 75 Ohm terminated; TVS protected inputs provide improved protection against transients
Video Outputs	Male 34-pin video ribbon connector; provides 16 video outputs (unity gain using active circuitry); mating 2 m (6°ft) 16-channel LTC 8809/00 cable included
Bi-Phase Data Interface	6-position removable terminal block with "+", "-", and "shield" input connections and "+", "-", and "shield" looping output connections, with attached end-of-line termination resistor
PC Interface	Male 9-pin sub D-connector

RS-232 Data Interface ¹	Female 9-pin sub D-connector for Allegiant RS-232 interface
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RS-485 Data Interface ¹	Female 9-pin sub D-connector for Allegiant RS-485 interface port connection
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RS-485 'Looping' Data Interface ¹	Female 9-pin sub D-connector, for data interface to cascaded LTC 8016 unit
----------------------------------------------	----------------------------------------------------------------------------

1. One (1), 2 m (6 ft) data interface cable is supplied for use with the Allegiant RS-232 interface, the Allegiant RS-485 interface, or the cascade configuration looping connection.

Ethernet Interface	RJ-45 connector, supporting 10/100 BaseT (reserved for future use)
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Power Cord	Two (2) detachable 3-wire IEC cords with grounded plug, 1.83 m (6 ft.); one with European continental plug type and one with US plug type
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Environmental

Temperature

Operating	0°C to 50°C (32°F to 122°F)
Storage	-10°C to 70°C (14°F to 158°F)
Humidity	0% to 90% relative, non-condensing

Mechanical

Construction	Steel chassis with sheet metal cover and plastic bezel
Finish	Charcoal case
Dimensions (W x D x H)	440 x 305 x 40 mm (17.3 x 12 x 1.7 in.)
Weight	3.8 kg (8.5 lb)
Rack-mount Kit (included)	For mounting unit in an EIA 48 cm (19 in.) rack

Optional Accessories

LTC 8508/01 Ribbon-to-BNC Interface Cable

Interface cable with a 34-pin ribbon cable on one end and 16 male BNC connectors on the other end. This cable is required when the LTC 8016 unit will be connected to control system devices that do not contain a 34-pin ribbon cable connector.

LTC 8807/00 BNC Panel Interface panel used to convert video ribbon cables from up to two LTC 8016 units into 32 standard female BNC connectors. Useful when the LTC 8016 unit will be separated from the control unit beyond the 2 m (6 ft) distance allowed by the video ribbon cable supplied with the unit.

LTC 4630, LTC 4631 Fiber Optic Series modules compatible with Bilinx communication. Available in surface-mount and rack-mount models. Refer to the LTC 4600 Series data sheet for complete information on these products.

NV-211 or NV-214 A-M BNC-to-twisted pair adaptors passive (non-amplified) devices compatible with Bilinx technology, allowing transmission of real-time monochrome or color video over unshielded twisted pair (UTP) telephone wire. Refer to the NV-214 A-M Series data sheet for complete information on these products.

Compatibility

Allegiant Matrix Switchers	Requires an Allegiant CPU firmware 8.6 or later (released May 2004)
AutoDome Cameras	All models manufactured October 2003 (version 5.11), or later
Dinion Cameras	Dinion Series manufactured March 2004, or later
Bi-Phase Devices	Any product generating standard Allegiant Bi-Phase Control Code protocol

Ordering Information

LTC 8016/90 Allegiant Bilinx Data Interface	LTC 8016/90
Accessories	
LTC 8508/01 Ribbon-to-BNC interface cable for LTC 8016, with a 34-pin ribbon cable on one end and 16 male BNC connectors on the other end, 1 m (3 ft)	LTC8508/01
LTC 8807/00 BNC Panel 32 channel video interconnect panel, for use with up to 2 LTC 8809 video ribbon cables	LTC 8807/00
LTC 463x Fiber optics series Fiber optic modules compatible with Bilinx communication. Available in surface-mount and rack-mount models. Refer to the LTC 4600 Series Data Sheet for complete information on these products.	LTC463x
NV-211 BNC-to-Twisted Pair Adaptors Passive (non-amplified) devices compatible with Bilinx technology, allowing transmission of real-time monochrome or color video over unshielded twisted pair (UTP) telephone wire. Refer to the NV-231A Series Data Sheet for complete information on these products.	NV-211
NV-213A BNC-to-Twisted Pair Adaptors Passive (non-amplified) devices compatible with Bilinx technology, allowing transmission of real-time monochrome or color video over unshielded twisted pair (UTP) telephone wire. Refer to the NV-231A Series Data Sheet for complete information on these products.	NV-213A

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Represented by

PAYMENT BOND

STATE OF TEXAS §
COUNTY OF COLLIN §

KNOW ALL MEN BY THESE PRESENTS:

That _____, a corporation organized and existing under the laws of the State of _____, and fully authorized to transact business in the State of Texas, whose address is _____ of the City of _____ County of _____, and State of _____, (hereinafter referred to as "Principal"), and _____ (hereinafter referred to as "Surety", a corporation organized under the laws of the State of _____ and authorized under the laws of the State of Texas to act as surety on bonds for principals, are held and firmly bound unto _____ (hereinafter referred to as "Owner") and unto all persons, firms and corporations who may furnish materials for or perform labor upon the buildings, structures or improvements referred to in the attached Contract, in the penal sum of _____ Dollars (\$ _____) (not less than 100% of the approximate total amount of the Contract as evidenced in the proposal) in lawful money of the United States, for the payment whereof, the said Principal and Surety bind themselves, and their heirs, administrators, executors, successors, and assigns, jointly and severally, firmly by these presents:

WHEREAS, the Principal has entered into a certain written contract with the Owner, dated the _____ day of _____, 20____, to which said Contract is hereby referred to and made a part hereof and as fully and to the same extent as if copied at length herein for the construction of _____.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that the bond guarantees the full and proper protection of all claimants supplying labor and material in the prosecution of the work provided for in said Contract and for the use of each claimant, and that conversely should the Principal faithfully perform said Contract and in all respects duly and faithfully observe and perform all and singular the covenants, conditions, and agreements in and by said Contract, agreed to by the Principal, and according to the true intent and meaning of said Contract and the claims and specifications hereto annexed, and any and all duly authorized modifications of said Contract that may hereafter be made, notice of which modification to Surety being hereby waived, then this obligation shall be void; otherwise, to remain in full force and effect. Provided further, that if any legal action be filed on this Bond, venue shall lie in Collin County, Texas.

"PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions Texas Government Code, Chapter 2253, as amended, and Chapter 3503 of the Texas Insurance Code, as amended, and all liabilities on this bond shall be determined in accordance with the provisions of said articles to the same extent as if they were fully copied at length herein.

Surety, for value received, stipulates and agrees that the bond shall automatically be increased by the amount of any Change Order or supplemental agreement which increases the Contract price with or without notice to the Surety and that no change, extension of time, alteration or addition to the terms of the Contract, or to the work performed thereunder, or the plans, specifications, or drawings accompanying the same, shall in anyway affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contract, or to the work to be performed thereunder.

The undersigned and designated agent is hereby designated by Surety herein as the agent resident to whom any requisite notice may be delivered and on whom service of process may be had in matters arising out of such suretyship.

IN WITNESS WHEREOF, the said Principal and Surety have signed and sealed this instrument this _____ day of _____ 20_____.

WITNESS

PRINCIPAL

Printed/Typed Name _____

Title: _____

Company: _____

Address: _____

SURETY

Printed/Typed Name _____

Title: _____

Company: _____

Address: _____

WITNESS

The Resident Agent of the Surety for delivery of notice and service of process is:
Name: _____
Address: _____
Phone Number: _____

Note: Date of Bond must NOT be prior to date of contract.

PERFORMANCE BOND

STATE OF TEXAS §
COUNTY OF COLLIN §

KNOW ALL MEN BY THESE PRESENTS:

That _____, a corporation organized and existing under the laws of the State of _____, and fully authorized to transact business in the State of Texas, whose address is _____ of the City of _____ County of _____, and State of _____, (hereinafter referred to as "Principal"), and _____ (hereinafter referred to as "Surety", a corporation organized under the laws of the State of _____ and authorized under the laws of the State of Texas to act as surety on bonds for principals, are held and firmly bound unto _____ (hereinafter referred to as "Owner") and unto all persons, firms and corporations who may furnish materials for or perform labor upon the buildings, structures or improvements referred to in the attached Contract, in the penal sum of _____ Dollars (\$ _____) (not less than 100% of the approximate total amount of the Contract as evidenced in the proposal plus 10-percent of the stated penal sum as an additional sum of money representing additional court expenses, attorneys' fees, and liquidated damages arising out of or connected with the below identified Contract) in lawful money of the United States, for the payment whereof, the said Principal and Surety bind themselves, and their heirs, administrators, executors, successors, and assigns, jointly and severally, firmly by these presents:

WHEREAS, the Principal has entered into a certain written contract with the Owner, dated the _____ day of _____, 20____, to which said Contract is hereby referred to and made a part hereof and as fully and to the same extent as if copied at length herein for the construction of _____.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said Principal fully and faithfully executes the work and performance of the Contract in accordance with the plans specifications, and Contract Documents, including any extensions thereof which may be granted with or without notice to Surety, during the original term thereof, and during the life of any guaranty required under the Contract, and according to the true intent and meaning of said Contract and the plans and specifications hereto annexed, if the Principal shall repair and/or replace all defects due to faulty materials or workmanship that appear within a period of one year from the date of final completion and final acceptance of the work by OWNER; and if the Principal shall fully indemnify and save harmless the OWNER from all costs and damages which OWNER may suffer by reason of failure to so perform herein and shall fully reimburse and repay OWNER all outlay and expense which the OWNER may incur in making good any default or deficiency, then this obligation shall be void; otherwise, to remain in full force and effect; and in case said CONTRACTOR shall fail to do so, it is agreed that the OWNER may do said work and supply such materials and charge the same against said CONTRACTOR and Surety on this obligation. Provided further, that if any legal action be filed on this Bond, venue shall lie in _____ Collin County, Texas.

"PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions Texas Government Code, Chapter 2253, as amended, and Chapter 3503 of the Texas Insurance Code, as amended, and all liabilities on this bond shall be determined in accordance with the provisions of said articles to the same extent as if they were fully copied at length herein.

Surety, for value received, stipulates and agrees that the bond shall automatically be increased by the amount of any Change Order or supplemental agreement which increases the Contract price with or without notice to the Surety, but in no event shall a Change Order or Supplemental Agreement which reduces the Contract price decrease the penal sum of the Bond. And further that no change, extension of time, alteration, or addition to the terms of the Contract, or to the work performed thereunder, or the plans, specifications, or drawings accompanying the same shall in any way affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration, or addition to the terms of the Contract or to the work to be performed thereunder.

Surety agrees that the bond provides for the repairs and/or replacement of all defects due to faulty materials and workmanship that appear within a period of one (1) year from the date of completion and acceptance of the improvement by the OWNER.

The undersigned and designated agent is hereby designated by Surety herein as the agent resident to whom any requisite notice may be delivered and on whom service of process may be had in matters arising out of such suretyship.

IN WITNESS WHEREOF, the said Principal and Surety have signed and sealed this instrument this _____ day of _____ 20_____.

WITNESS

PRINCIPAL

Printed/Typed Name _____

Title: _____

Company: _____

Address: _____

SURETY

Printed/Typed Name _____

Title: _____

Company: _____

Address: _____

WITNESS

The Resident Agent of the Surety for delivery of notice and service of process is:
Name: _____
Address: _____
Phone Number: _____

Note: Date of Bond must NOT be prior to date of contract.

CONFLICT OF INTEREST QUESTIONNAIRE

FORM CIQ

For vendor doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 Name of vendor who has a business relationship with local governmental entity.

2 Check this box if you are filing an update to a previously filed questionnaire.

(The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 Name of local government officer about whom the information in this section is being disclosed.

Name of Officer

This section (item 3 including subparts A, B, C, & D) must be completed for each officer with whom the vendor has an employment or other business relationship as defined by Section 176.001(1-a), Local Government Code. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer named in this section receiving or likely to receive taxable income, other than investment income, from the vendor?

Yes No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer named in this section AND the taxable income is not received from the local governmental entity?

Yes No

C. Is the filer of this questionnaire employed by a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more?

Yes No

D. Describe each employment or business and family relationship with the local government officer named in this section.

4

Signature of vendor doing business with the governmental entity

Date

