NDDOT Contract No. 50162026

North Dakota Department of Transportation

INVITATION TO BID

Bid Number: 680-87-16-050	Bid Opening Date & Time: 11/11/2016 02:00 PM
Items: Surveillance & Security System, Drivers License	Buyer: Alexis Wingo
Bid Mailing Address: 608 East Boulevard Ave.	Telephone Number: (701)328-2571
City, State, Zip: Bismarck, North Dakota 58505	Email: awingo@nd.gov
Contract Period: 01/01/2017 TO 12/31/2017	Date Prepared: 10/28/2016

BID RESPONSE

Please submit your bid response on the attached forms in conformance with the instructions and specifications in the NDAC 04-12-01 – 04-12-16. One copy of your bid response must be returned to the North Dakota Department of Transportation (NDDOT) prior to the time and date specified for the bid opening. Bid responses received after the time and day specified for the bid opening will be rejected. Mark envelope with word "BID" and the opening time and date. **If your bid response is accepted by NDDOT, then your bid response will constitute a binding contract.**

CONTRACT

This contract is made and entered into by and between NDDOT for the state of North Dakota (hereinafter state) and

Vendor Name	Vendor Address
Laser Systems, Inc.	901 westrac Dr. Fargo, ND 58103

(hereinafter vendor). In consideration of and for the acceptance by the state of the offer made by the vendor pursuant to the bid response, the vendor agrees and promises to sell, furnish, and deliver to the state, at the time, places, and prices specified in the bid response, all goods, merchandise, supplies, commodities, equipment, or other items contained in the bid response and for which the vendor has been awarded this contract by the state. The vendor shall fully perform this contract in accordance with the terms and conditions contained in the bid response including all specifications, rules, or regulations mentioned therein, and shall comply with all applicable provisions of the NDAC 04-12-01 – 04-12-16 promulgated by the State Purchasing Division; such manual being made a part of this contract by reference. The Risk Management Appendix and Appendices A and E of the Title VI Assurances, attached, are hereby incorporated into and made a part of this agreement.

The following must be completed by the vendor; failure to do so may result in the rejection of the vendors bid proposal.

Vendor Name: Laser Systems, Inc.		
Mailing Address: 901 westrac Dr. Fargo, ND 58103		
Telephone Number: 701-293-6865	Fax Number: 701-234-4410	E-mail Address: corey@laser-sys.com

Corey English / President

Name & Title (Type or Print)

Signature

12/8/16

Date

To be signed by **Owner; Partner; Corp. Pres., Vice Pres., or other authorized Corp. Officer** or bid may be rejected. (if signed by other authorized Corp. Officer, please attach copy of Power of Attorney or other documentation showing authority to sign.)

FOR ND DEPARTMENT OF TRANSPORTATION USE ONLY Accepted by the state according to provisions of award.

Authorized Signature: Grant Levi		Date: 12/15/16
Recommended for approval	Date: 12/12/16	Approximate contract amount $

NDDOT North Dakota Department of Transportation

APPROVED as to execution this 14 day of December 2016
ATTORNEY GENERAL
By
SPECIAL ASST. ATTORNEY GENERAL

CLA 7480 (Div. 50)

MAILING INSTRUCTIONS

Mail only one completed and signed request for bid document per envelope, unless instructed otherwise. Request for bid documents not signed or received after the date and time specified in the request for bid will be rejected.

BID IS: ☒ SEALED ☐ NOT SEALED

Address the envelope containing your response in the following manner:

BID NUMBER – 680-87-16-050
BID OPENING DATE/TIME – November 11, 2016; 2:00 PM CST
N. D. DEPT. OF TRANSPORTATION
PROCUREMENT SECTION
608 E BOULEVARD AVE
BISMARCK ND 58505-0700

BIDDERS INSTRUCTIONS

1. **Assistance to Bidders with a Disability.** Bidders with a disability and/or language assistance, contact Civil Rights Division, NDDOT, 701-328-2978 or civilrights@nd.gov or TTY 711, as soon as possible so that reasonable accommodations can be made. Additionally, the Request for Reasonable Accommodations form (SFN 60135) can be accessed at the following NDDOT website location: http://www.dot.nd.gov/forms/sfn60135.pdf.

2. **Award.** Award will be made to a responsive, responsible bidder with the lowest price considering conformity with specifications, terms of delivery, quality, and serviceability. NDDOT reserves the right to consider bids varying in minor respects from any specific requirements herein, but judged to meet the intent of this request.

3. **Awards, Splitting of.** The state reserves the right to make awards by item, groups of items, or on the total low bid for all the items specified as indicated in the detailed specifications. Bidders interested only in the total low bid for all items are to state 'all or nothing' on their bid response.

4. **Bid Bond.** Waived in this instance: however, bidder(s) failing to enter into a contract with this office, upon notification of award, may be subject to removal from the bidder's list.

5. **Bid Held Firm.** Bids are not awarded at the bid opening. Bid responses will be firm for 30 days, unless stated otherwise.

6. **Bid Opening.** All sealed bids received by the NDDOT Procurement Office will be opened and read at 608 East Boulevard Avenue, Bismarck, North Dakota, at the time specified in the solicitation. Interested parties are invited to attend the bid opening.

7. **Bid Summary.** Bid summaries are available when the bid has been awarded. When bids are issued using the State's electronic bidding system, the bid summary will be posted and available for download from: http://www.nd.gov/spo/
Bid summaries will be mailed to those bidders who supply a self-addressed, stamped envelope with their bid response. A copy of the bid summary may also be obtained by visiting the NDDOT Procurement Office during normal working hours.

8. **Bidder Checklist.** HAVE YOU REMEMBERED TO:
   - Review all instructions, terms and conditions, and specifications to ensure your bid response complies?
   - Prepare your price in the specified unit of measure, F.O.B. Destination, Freight Prepaid to the delivery location listed on the cover sheet?
   - Indicate whether you can meet the delivery date indicated on the cover sheet?
   - Sign your bid response on the cover sheet?
   - Initial all changes and corrections?
   - Submit any required samples or enclosures, if applicable?
   - Mark the envelope as indicated above?
   - Review and complete all requirements contained in this solicitation to ensure compliance.

9. **Clarifications, Bid Changes and Questions Deadline.** The Procurement Officer is the point of contact. Any irregularities, lack of clarity, requested bid changes and all questions regarding this bid and the procurement process must be addressed to the Procurement Officer referenced on the first page of this document **no later than end of business November 4, 2016.** (Contact information is indicated on cover page). If a bid amendment is required, it will generally be issued after this date.

The bidder is cautioned that the requirement of this solicitation can be altered only by written amendments and that verbal communications from whatever source are of no effect.

10. **Corrections.** The bidder's authorized representative must initial any corrections and alterations (i.e. erasures, whiteouts, correction tape, etc.) made to the bid response. Those bid responses with corrections and alterations that are not initialed are subject to confirmation by the Procurement Officer.

11. **Definitions.**
- Bidder - any person or firm submitting a competitive bid in response to a solicitation.
- Bid summary - a summary of all bid responses received by the NDDOT Procurement Office.
- Bid response - the executed document submitted by a bidder in response to a solicitation.
- Contract - a deliberate written agreement between two or more competent persons to perform specific act or acts.
- Contractor - any person or firm having a contract with a governmental body.
- Solicitation - the process of notifying prospective bidders that the State wishes to receive bids for furnishing goods or services.

12. **Electronic & Facsimile Bids.** Bid responses are not to be email attached or faxed to the NDDOT unless this transmittal method has been authorized by the Procurement Officer or bid document. (Contact the Procurement officer regarding additional requirements and exceptions.) Bid responses electronically submitted or faxed may be rejected as non-responsive. Bids may be faxed to a third party who will put it in a properly-addressed envelope and deliver it to the NDDOT Procurement Office before the date and time specified in the solicitation.

13. **Freight/F.O.B. Destination.** Freight and transportation charges are to be included in the price of the products, unless otherwise specified in the solicitation. (F.O.B. - Free On Board).

14. **Indemnification.** Bidders must review the attached Risk Management Appendix for indemnification and insurance requirements. The indemnification and insurance provisions are incorporated and made part of this solicitation and the resultant final contract. Objections to any of the provisions of the indemnification and insurance requirements must be made in writing to the attention of the Procurement Officer by the time and date set for receipt of questions. No alteration of these provisions will be permitted without prior written approval from the Purchasing Agency or Entity in consultation with the North Dakota Risk Management Division. Upon receipt of the Notice of Award, the successful bidder must obtain the required insurance coverage and provide the Procurement Officer with proof of coverage prior to contract approval. The coverage must be satisfactory to the Purchasing Agency or Entity, in consultation with the North Dakota Risk Management Division. A bidder's failure to provide evidence of insurance coverage is a material breach and grounds for withdrawal of the award or termination of the contract.

15. **Late Bids.** It is the bidder's responsibility to ensure that a bid response is physically deposited with the NDDOT Procurement Office prior to the date and time specified for the opening. Late bid responses will not be opened and will be rejected and returned regardless of the degree of lateness or the reasons.

16. **Minor Informalities.** The State reserves the right to waive minor informalities in bid responses in accordance with N.D.A.C. 4-12-10. Minor informalities are insignificant omissions or nonjudgmental mistakes that are matters of form rather than substance, evident from the bid document, with a negligible effect on price, quantity, quality, delivery, or contractual conditions that can be waived or corrected without prejudice to other bidders.

17. **Multiple Bid(s).** Bidders may submit more than one bid response(s) for the item(s) specified in the solicitation. Each bid submitted must comply in all aspects with the bid requirements and these instructions.

18. **Negotiation.** NDDOT reserves the right to negotiate with the successful bidder to ensure the best possible consideration is afforded to all concerned.

19. **New Equipment and Materials**. Unless otherwise indicated in the detailed specifications of this solicitation, all equipment and materials shall be new and under current production for use in the United States.

20. **Open Records.** After the bid opening, bid documents will be subject to the North Dakota open records law. Records are closed or confidential only if specifically stated in law. If a request for public information is received, the procurement officer will determine whether the information is an exception to the North Dakota open records law, and the information will be processed appropriately. Those interested in reviewing the bid file are to make arrangements with the NDDOT Procurement Office. The NDDOT Procurement Office hours are 8:00 a.m. - 12:00 p.m. and 1:00 p.m. - 5:00 p.m. Monday through Friday.

21. **Packaging.** All shipments are to be packaged according to accepted commercial practices to avoid damage in shipment.

22. **Performance Bond.** Successful bidders will not be required to furnish a performance bond; however, failure to perform satisfactorily will result in the immediate termination of the contract(s) and bidders may be subject to removal from the bidder's list.

23. **Preparation of Bid.** Bids will be accepted on NDDOT forms only. If the document is located on the State Procurement Office website, then bidder is to download the document and type or write their responses as indicated by the bid document. Alteration of the bid document may be cause for bid rejection. Bidders are cautioned to examine specifications and all instructions. Failure to do so will be at the bidder's risk.

24. **Pricing.** Unit prices are to be stated in United States currency and based on the unit of measurement specified in the solicitation, F.O.B. Destination, to the NDDOT delivery locations specified herein.

In the event of mathematical differences between the unit price and extended total, the unit price will prevail.

25. **Protest of Award.** An interested party may protest the award within seven days after receiving notice in accordance with N.D.C.C. 54-44.4-12 and N.D.A.C. 4-12-14. Notice of award will be issued only to those bidders who submitted responses to this IFB. Seven calendar days after award or issuance of the Notice of Intent to Award; it will be assumed that all interested parties knew or should have known all the facts surrounding the award.

26. **Rejection.** Bid responses may be rejected if:
- The bid response is not legible.
- The bid response is not completed as requested.
- The bid response is faxed to the procurement office.
- The bid response is not responsive to the specifications or other requirements of the solicitation.
- The bid response is received after the time and date specified.
- The bidder has not met Vendor Registration requirements or is suspended or debarred.
- The bid document has been altered by the bidder.
- The bidder is determined to be not responsible (N.D.A.C. 4-12-11-04).

27. **Signature.** The bid must be signed manually in ink. The name and title of the person signing the bid response must be typed or printed above the signature. The bid must be signed by **Owner, Partner, Corp. Pres., Vice Pres., or other authorized Corp. Officer** or the bid may be rejected. If signed by other authorized Corp. Officer or representative, please attach a letter signed by the Owner, Partner, Corp. Pres., or Vice Pres. indicating the individual has authority to enter into a contract on behalf of the company (or a Power of Attorney).

28. **Specifications, Brand Name or Equivalent**. Unless otherwise indicated in the detailed specifications of this solicitation, the use of a specific brand name or make/model is for illustrative purposes only, and the State will consider equivalent products. If a commodity or service put forth by a bidder is rejected as not being equivalent, the Procurement Officer will notify the bidder of the rejection.

29. **Specifications, Compliance.** All bids submitted in response to this Invitation for Bid must comply with the specifications contained herein, and the successful bidder will be held responsible. Noncompliance with specifications is grounds for rejection of the bid response. Bidders who desire to submit commodities or services that deviate from these specifications or have any objections to the specifications stated herein must be clearly pointed out PRIOR TO THE DEADLINE FOR RECEIPT OF QUESTIONS; otherwise, it will be considered that the

items offered are in strict compliance with these specifications, and the bidder will be held responsible.

30. **Supplemental Terms and Conditions.** Bids including supplemental terms and conditions will be accepted, but supplemental conditions that conflict with any conditions contained in this ITB or that diminish the State's rights will be considered null and void. The State is not responsible for identifying conflicting supplemental terms and conditions before issuing a contract award.

After award of contract:

a) If a conflict arises between a supplemental term or condition included in the bid and a term or condition of the ITB, the term or condition of the ITB will prevail, and,

b) If the State's rights would be diminished as a result of application of a supplemental term or condition included in the bid, the supplemental term or condition will be considered null and void.

Changes, modifications, additions, or alterations to the bid document could be cause for rejection of the submitted bid at the sole discretion of the NDDOT. Contact the Procurement Officer in writing prior to the deadline for clarifications.

31. **Taxes.** The State does not pay sales tax or federal excise tax. The state sales tax exemption number is E-2001. The federal tax-free transaction number is 45-70-0010K. The Purchasing Agency will furnish a tax exempt certificate upon request.

32. **Vendor Registration.** Bids will be accepted from bidders who are not currently Approved Bidders for the State of North Dakota; however, the successful bidder may be required to become approved prior to award, in accordance with N.D.C.C. 54-44.4-09. To become an Approved Bidder, you must: 1) register with the North Dakota Secretary of State (fees apply), and 2) submit a completed Bidder List Application to the ND State Procurement Office. Registration instructions and forms are available on-line at: www.nd.gov/spo/vendor. Contact the ND State Procurement Office at 701-328-2683 or infospo@nd.gov for assistance.

Placement on the bidders list does not guarantee a bidder will receive notice of every formal solicitation. Bidders must maintain current information by submitting a Notice of Change form to the State Procurement Office (Fax 701-328-1615). Visit the website for forms: www.nd.gov/spo/vendor.

33. **Withdrawal or changes to a bid response prior to the bid opening date and time.** A bidder may withdraw or make a change to his bid response prior to the bid opening date and time. The request to make a change or withdraw must be in writing by a representative of the firm. The request to withdraw or change must be signed by the bidder or his designated representatives.

34. **Withdrawals after the bid opening date and time.** After the bid opening, no changes may be made to the bid response. The bidder may make a written request to withdraw the bid response, subject to approval by the NDDOT Procurement Office. Vendors continually withdrawing bids after the bid opening may be removed from the Vendor Database.

GENERAL CONTRACT TERMS AND CONDITIONS

1. **Affirmative Action.** The contractor will take affirmative action in complying with all Federal and State requirements concerning fair employment and employment of individuals with disabilities, and concerning the treatment of all employees without regard to discrimination by reason of race, color, religion, sex, national origin, or disability.

2. **Applicable Law and Venue.** Any dispute arising out of this agreement will be resolved under the laws of the State of North Dakota.

3. **Billing and Payment Procedures.** Any required initial purchase order(s) will be issued by NDDOT Procurement office to the awarded contractor. Thereafter all contract billings are to be presented to the Project Manager.

Invoices are to be submitted as indicated on the purchase orders unless otherwise instructed. Failure to submit correct invoices to the appropriate NDDOT office may delay contractor payment.

Payment will normally be made within thirty days after delivery and acceptance of commodities or services under this contract and receipt of a correct invoice. All invoice and payment inquiries must be directed to the purchasing agency.

4. **Binding Contract.** The acceptance of a bid response in writing by the purchasing agency constitutes a contract between the bidder and the State. Written acceptance from the purchasing agency will be in the form of a purchase order, notification of award, or contract. Any oral agreement or arrangement by a bidder with a State employee or purchasing agency will have no force or effect unless reduced to writing.

5. **Compliance with Laws.** The contractor must, in performance of work under this contract, fully comply with all applicable federal, state or local laws, rules, regulations and policies, including those relating to nondiscrimination, affirmative action, accessibility and civil rights including Title VI of the Civil Rights Act of 1964. The contractor agrees to file all required reports on time, to make required payroll deductions, and to pay all taxes and premiums owed on time, including sales and use taxes and unemployment compensation and workers' compensation premiums. The contractor shall have and keep current at all times during the term of this contract all licenses and permits required by law.

6. **Contract Amendments, Waivers.** After a binding contract has been entered into, no changes (i.e. additions, substitutions, subcontracting or a price adjustment) may be made, unless prior approval has been obtained from the purchasing agency and Procurement Officer.

The terms of this contract shall not be waived, altered, modified, supplemented, or amended, in any manner whatsoever, except by written instrument signed by the parties. No waiver consent, modification or change of terms of this agreement shall bind either party unless in writing and signed by both parties. Such waiver, consent, modification, or change, if made shall be effective only in the specific instance and for the specific purpose given. There are no understandings, agreements, or representations, oral or written, not specified herein regarding this agreement.

7. **Contract Price Adjustment.** The Contract Unit Prices shall be firm for the twelve (12) months of the contract period. On an annual basis, all unit prices may be subject to price adjustment (increase / decrease). The request for a price adjustment shall be submitted to the Procurement Office at least forty five (45) days before the scheduled contract expiration date and must include justification for the proposed change. The Procurement Officer will respond as follows:

1) The request may be granted,
2) The contract may be cancelled and solicitation may be re-advertised, or
3) The contract may be continued without change.

If a price increase is approved by the NDDOT, the date the increase will be effective along with the new unit prices will be included in an amendment document. Approval of any price increase renews the twelve month firm price period.

The State shall also be advised of and receive the benefit of any price decrease. The same notification and review process will apply to a decrease in cost.

8. **Contract Term and Renewal Option.** The NDDOT will enter into a contract with an effective date **beginning January 1, 2017, and ending December 31, 2017**, inclusive. This contract may be renewed upon satisfactory completion of the initial contract term. The NDDOT reserves the right to execute up to two options to renew this contract for a period of twelve (12) months each, not to exceed thirty-six (36) months total. Renewals will be documented by amendment.

The NDDOT reserves the right to renegotiate price and terms provided that such negotiated price and terms fall within the original scope of work for this bid. Negotiations may be conducted annually or at such times that additional and unexpected services falling within the scope of the contract may occur. Such changes will be documented by amendment to the contract.

9. **Contract Termination.**

a. **Termination without Cause.** This contract may be terminated by mutual consent of both parties, or by either party upon 30 days' written notice.

b. **Termination for Lack of Funding or Authority.** The State may terminate this contract effective upon delivery of written notice to the contractor, or on any later date stated in the notice, under any of the following conditions:
   i. If funding from federal, state, or other sources is not obtained and continued at levels sufficient to allow for purchase of the services or supplies in the indicated quantities or term. The contract may be modified by agreement of the parties in writing to accommodate a reduction in funds.
   ii. If federal or state regulations or guidelines are modified, changed or interpreted in such a way that the services are no longer allowable or appropriate for purchase under this contract or are no longer eligible for the funding proposed for payments authorized by this contract.
   iii. If any license or certificate required by law or regulation to be held by the contractor to provide the services required by the contract is for any reason denied, revoked or not renewed.

   Any such termination of this contract under (i), (ii), or (iii), above, shall be without prejudice to any obligations or liabilities of either party already accrued prior to such termination.

c. **Termination for Cause.** The State by written notice to the contractor may terminate the whole or any part of this contract:
   i. If the contractor fails to provide services required by this contract within the time specified herein or any extension thereof; or
   ii. If the contractor fails to perform any of the other provisions of this contract, or so fails to pursue the work as to endanger performance of this contract in accordance with its terms and after receipt of written notice from the State, fails to correct such failures within ten days or such longer period as NDDOT may authorize.
   iii. The rights and remedies of the State provided in the above clause related to defaults by the contractor are not exclusive and are in addition to any other rights and remedies provided by law or under this contract.

d. **Termination, Deliveries.** If the contract is terminated for any reason, the contractor is responsible for delivery of all commodities and services ordered prior to the termination, unless those orders had been canceled by the Purchasing Agency or Entity.

10. **Inspection and Investigations.** The State reserves the right to conduct inspections and investigations related to the bidder and offered commodities or services, including but not limited to the firm, its facility, personnel, qualifications, and the commodities and/or services offered to make determinations regarding compliance with the bid requirements and responsibility of the bidder.

11. **Materials and Workmanship.** All material and workmanship shall be subject to inspection and testing at the discretion of the purchasing agency either at the point of manufacturer, place of storage, or upon receipt.

12. **Receiving.** Deliveries must arrive at the designated destination(s) during normal business hours unless other shipping/receiving instructions are issued by NDDOT personnel. The contractor shall contact the NDDOT to schedule delivery dates and times at least 24 hours in advance of delivery.

All NDDOT offices will be closed in recognition of State holidays. Any day declared a holiday by the President or Governor will also be recognized by office closure.

13. **Subcontracts, Assignment.** The contractor shall not subcontract, assign or transfer the contractor's interests or duties under this contract without express written consent of the purchasing agency. However, the contractor may enter into subcontracts provided that any such subcontractor acknowledges the binding nature of this contract and incorporates this contract, including any attachments. The contractor is solely responsible for the performance of any subcontractor. The contractor shall not have the authority to contract for or incur obligations on behalf of the State.

14. **Successors in Interest.** The provisions of this agreement shall be binding upon and shall inure to the benefit of the parties hereto, and their respective successors and assigns.

15. **Service Representative.** The contractor must provide a dedicated customer service representative to provide support for this contract. The contractor shall notify the Procurement Officer in the event the representative is changed.

NAME: Corey English
(Name of person servicing this contract)

BUSINESS NAME: Laser Systems, Inc.

MAILING ADDRESS: 901 Westrac Drive

CITY & STATE: Fargo, ND ZIP CODE: 58103

PHONE NUMBER: 701-293-6805 TOLL FREE: 800-726-1764

FAX NUMBER: 701-239-4410 E-MAIL: corey@laser-sys.com

NDDOT DRIVERS LICENSE DIVISION
SPECIFICATIONS FOR
SURVEILLANCE & SECURITY SYSTEM

In 2010-2011, the N.D. Dept. of Transportation (NDDOT) awarded a contract for the installation of a surveillance system in each of the eight State's Drivers Licensing locations. Additionally, seven of the sites received security systems. The contract also included the associated monitoring service with one monthly billing rate for the seven locations.

The NDDOT seeks a contractor who will maintain the existing systems and provide a security monitoring service. The awarded contractor shall meet the following minimum specifications:

General Criteria:

1. The existing security alarm and surveillance systems are located at the following Driver's License offices:

   a. Dickinson Drivers License Site - NDDOT Dickinson District Headquarters building, 1700 3rd Ave. W, Dickinson, ND

   b. Williston Drivers License Site – NDDOT Williston District Headquarters building, 537 Dakota Parkway West, Williston, ND

   c. Minot Drivers License Site – Arrowhead Shopping Center, 1600 2nd Avenue SW, Minot, ND

   d. Devils Lake Drivers License Site – WDAZ Building, 516 Highway 2 East, Devils Lake, ND

   e. Grand Forks Drivers License Site – NDDOT Grand Forks District Headquarters building, 1951 North Washington Street, Grand Forks, ND

   f. Fargo Drivers License Site – NDDOT Fargo District Headquarters building, 503 38th Street South, Fargo, ND

   g. Jamestown Drivers License Site – 121 1st Street SW, Jamestown, ND

   h. Bismarck Drivers License Site – Camera surveillance system only, no security required for this location. – NDDOT Headquarters Building, 608 East Boulevard Avenue, Bismarck, ND

2. Quantity of windows and exit doors that are behind the glass of operation:
   a. Dickinson – 0 windows plus 1 emergency exit door
   b. Williston – 6 windows plus 1 emergency exit door
   c. Minot – 0 windows
   d. Devils Lake – 1 window plus 1 emergency exit door
   e. Grand Forks – 0 windows (possibly 5 windows, TBD) plus 1 emergency exit door
   f. Fargo – 2 windows plus 1 emergency exit door
   g. Jamestown – 0 windows

3. The Grand Forks Drivers License Site is currently being remodeled; Renovation will be tentatively be completed by December 31, 2016. Drawings of the site are available upon request, contact Glenn Jackson, (701)328-4792 or gjackson@nd.gov for drawings.

4. Each site has equipment and power connections for an operable security and camera surveillance system. When the sites were renovated the renovation contractor installed building cabling to the camera mounting and DVR locations.

5. Each system consists of four cameras, all interior. Each camera is connected to a digital video recorder.

   a. Cameras are connected to a DVR capable of retaining data for 30 days. The visual images from the cameras are recorded continuously and stored for 30 days. It is, in essence, a 30 day window on the site. This does not mean the cameras are actually recording all the time. They are motion sensed, so they will only record when motion is taking place. But the DVR must be able to record 24/7.

6. Recording of camera images should only occur when there is movement or a change of pixels in the viewing area. The camera(s) viewing angles are currently set. The awarded contractor may be required to adjust the viewing angle at the NDDOT's request. NDDOT must approve the viewing area of each camera.

   a. Motion sensors are limited to the camera sensing motion to record.

   b. Detection intrusion must include door contacts for doors leading into the secure environment behind the glass of the operation. In most cases this involves only one door – see drawings.

   c. Glass break detection must be included in counter glass and all windows that are part of the secure space – see site drawings.

   d. A panic button should be part of the alarm system and located at the control panel.

7. Camera must be accessible via the internet by NDDOT staff whenever necessary.

8. All equipment becomes the property of the NDDOT.

9. Local maintenance service must be available with a guaranteed on-site response time of one business day.

10. All wiring and connections must comply with the National Electrical Code and state/local electrical code.

11. Warranty - All equipment and installation must be warranted for three years (parts and labor).

12. If there is a change in equipment, the awarded contractor must provide a full-day training class for NDDOT personnel, including Complete Operations and Technical Service Manuals with Part Numbers, Complete Factory Restoration Disks, displays, notes, visual aids, etc., in the operations and maintenance of the DVR and Cameras. The training will be conducted at each location as quickly as practical but not more than 14 days after the successful installation of equipment. It is preferred that training will occur immediately after installation.

13. The original contract contained a security alarm monitoring plan for all locations except Bismarck. The plan provides monitoring of each facility during all hours the facility is closed to the public and shall has an alarm activation with immediate notification procedures.

Equipment locations and installation information:

1. Digital Video Recorder (DVR), Monitor, Camera Power Supply and UPS:

This equipment will be housed in a secure room at each location. A 120V/20A double-duplex receptacle will be provided to provide power for the DVR, monitor and camera power supply. A cabinet for this equipment is not required. All electrical equipment must be connected to the UPS provided by the Contractor.

2. Cameras #1, #2, and #3

Three cameras will be located in three separate corners of the workspace/customer service area so as to provide full coverage of all individuals who enter/depart the site. These cameras will be able to record all access to the employee workspace and customer service area.

3. Camera #4

This infrared capable camera will be located in the room with the safe, providing a visual recording of anyone who enters and exits this space.

Following are the specifications for the equipment that was awarded and installed initially. Any replacements must meet or exceed these standards.

2. Closed Circuit Television (CCTV) Stationary Camera

a. Definition - A camera assembly shall be defined as a closed-circuit television (CCTV) color/monochrome camera enclosed in a vandal proof domed environmental housing with an integral receiver/driver, all mounting hardware required to mount the camera. The camera assembly shall include all the necessary power supplies and communication connections for a fully functional unit.

b. The CCTV Stationary Camera must meet the following minimum requirements

c. The CCTV Camera shall be a minimum 1/3" color high resolution vandal resistant dome camera with a varifocal 4.0mm to 9.0mm auto iris lens.

d. The CCTV Camera shall be a minimum 1/3-type color CCD pick-up element with 768 (H) x 494 (V) pixels.

e. The CCTV Camera shall have a minimum 550 lines of Horizontal Resolution

f. The CCTV Camera shall have a minimum of 48dB signal-to-noise ratio.

g. The CCTV Camera shall have a Video Output of 1 Vp-p 75 ohm BNC connector

h. The CCTV Camera will be complete with dome, lens, and mounting brackets

i. The CCTV Camera shall be dual voltage DC 12v / AC 24v

j. The CCTV Camera shall have a Minimum Illumination of 0.3 Lux or lower.

k. Contractor is responsible for adjusting the camera lenses to include the viewing angle that NDDOT requires. NDDOT must accept the viewing angles of each camera prior to final acceptance.

l. Infrared Illumination with a projection distance up to 20 meters

m. All CCTV camera system wiring from the cameras to the Digital video Recorder (DVR) will be both CAT 5E and RG6 CCTV type cable. RG6 CCTV cable will have the RG6 coax and 2/18 conductors bundled together for camera power.

n. Closed Circuit Television Stationary Camera quantity break down by Location:

1. Dickinson – (3) as specified plus (2) as specified with infrared capability.
2. Williston – (3) as specified plus (1) as specified with infrared capability.
3. Minot - (3) as specified plus (1) as specified with infrared capability.
4. Devils Lake - (3) as specified plus (1) as specified with infrared capability.
5. Grand Forks - (3) as specified plus (1) as specified with infrared capability.
6. Fargo – (3) as specified plus (2) as specified with infrared capability.
7. Jamestown - (3) as specified plus (1) as specified with infrared capability.
8. Bismarck - (3) as specified plus (1) as specified with infrared capability.

3. Digital Video Recorder (DVR)

a. Before the DVRs can be connected to the State Network, they must be certified to be in compliance with Enterprise Standards http://www.nd.gov/ea/standards/

b. Specifically:

i. Password Characteristics

1. Shall consist of a minimum of eight (8) characters in length
2. Shall include at least one (1) numeric character
3. Shall include at least one (1) character in lower case
4. Shall include at least one (1) character in upper case
5. Shall have a maximum life of ninety (90) days
6. Shall have a minimum life of seven (7) days
7. Shall have a minimum history of twenty-four (24) to restrict reuse
8. User IDs shall be disabled after no more than three (3) successive invalid sign on attempts

ii. Anti-Virus

1. Anti-virus software shall be installed and active. Virus signature files shall be kept current by automatically updating in the background
2. All incoming files shall be scanned for viruses. If a file contains a virus and cannot be cleaned, the file must be deleted.

iii. Automatic Screen Locking

1. DVR shall have automatic screen locking active with a maximum of a 15-minute activation time.

iv. Critical Operating System Updates

1. The DVR shall have all Critical Operating System Updates installed automatically in the background within 14 days of the release date.

c. DVR shall be a have a capacity of 10 camera connections.

d. DVR shall have a minimum of 500 GB storage capacity.

e. DVR shall have an easy to follow, paged menu system.

f. DVR shall be able to play back, pause, frame advance/rewind, speed search and reverse playback.

g. The system will have the ability to monitor, record, search, backup and remote view simultaneously.

h. Ability to search to the minute for a specific date and time.

i. DVR shall be able to have a lock option to block all or some of the front panel functions, preventing changes to the unit's settings.

j. The digital video recorder must have the ability to be connected to the existing local area network (LAN) to allow access to archive images and provide the ability to view images through the network on any computer connected to the network. NDDOT IT division will assign an IP address to the DVR to allow NDDOT personnel access to this system. Vendor must provide any required software for this function and a minimum of 8 licenses must be made available at no additional fee. The system must also have the ability to be viewed by multiple individuals simultaneously. The software shall not require a yearly maintenance fee for updates or operation of the software.

k. A monitor will be provided that enables viewing of each camera's performance and coverage located in conjunction with the DVR.

4. Uninterruptible Power Supply (UPS):

a. UPS shall be equal to APC, model #APC Back-UPS RS, 1500VA/865W or equal.

b. Input voltage shall be 120V. Output voltage shall be 120V.

c. UPS must have a minimum of (2) NEMA 5-15R Surge Protected outlets and (6) NEMA 5-15R Battery Backup outlets

d. Battery shall be maintenance-free sealed Lead-Acid battery with suspended electrolyte and completely leak proof.

e. Minimum backup time at full load shall be 5 minutes.

5. Security System:

a. The security systems must provide for 24 hour operation recording to DVR.

b. Requires keypad for activation/deactivation of system located within the secure area for employees.

c. Constant monitoring of security status when facility is closed.

d. Immediate contact with designated staff in event of alarm.

e. Immediate contact with law enforcement, fire or ambulance services should the need arise.

f. All sites except Bismarck location.

All equipment shall be new and unused under current production at the time of submitting response unless otherwise specified.

Bidders MUST submit manufacturer's literature and detailed specifications along with this response.

Unless otherwise indicated by the bidder, it will be assumed that specifications will be met in all respects.

5. Project Manager:

After award, the Project Manager for this contract will be Glenn Jackson. The monthly invoice shall be submitted to Mr. Jackson and any system questions for any of the locations shall be addressed to him.

Glenn Jackson
Director, Drivers License Division
North Dakota Department of Transportation
608 East Boulevard Avenue
Bismarck, ND 58505
Ph.: 701.328.4792
Fax: 701.328.2435
gjackson@nd.gov

6. Site Tour

Any bidder who would like to tour one of the existing locations prior to submitting a bid, shall contact Mr. Jackson to make arrangements for the tour.

BID RESPONSE

ITEM NO.	QTY.	UNIT	DETAILED SPECIFICATIONS	UNIT PRICE
Major replacement equipment shall be supplied at the following prices. Miscellaneous minor parts required for equipment replacement will be paid at normal contractor price.				
1	Closed Circuit Television (CCTV) Stationary Camera			
	1	EACH	Locations as indicated in Specification, General Criteria - 1. a. – h.	$ 171.00 (non-IR) 204.00 (IR)
2	Digital Video Recorder (DVR)			
	1	EACH	Locations as indicated in Specification, General Criteria - 1. a. – h.	$ C.E. [redacted] 788.00
3	Uninterruptible Power Supply (UPS)			
	1	EACH	Locations as indicated in Specification, General Criteria - 1. a. – h.	$ 239.00
4	Hourly rate applied for system maintenance at any location. (Includes travel)			
	1	HOUR	Locations as indicated in Specification, General Criteria - 1. a. – h.	$ 65.00
Security System monthly monitoring fee.				
5	1	MONTH	**Combined fee for all seven (7) locations.**	$ 105.00

ANY ALTERATIONS OR CORRECTIONS MADE TO THE UNIT OR TOTAL PRICE MUST BE INITIALED BY THE BIDDER. FAILURE TO DO SO MAY BE CAUSE FOR BID REJECTION.

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
APPENDIX A OF THE TITLE VI ASSURANCES

During the performance of this contract, the Contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the Contractor) agrees as follows:

1. Compliance with Regulations: The Contractor (hereinafter includes consultants) will comply with the Acts and the Regulations relative to Non-discrimination in Federally-assisted programs of the U.S. Department of Transportation, the Federal Highway Administration, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.

2. Non-discrimination: The Contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The Contractor will not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR Part 21.

3. Solicitations for Subcontracts, Including Procurements of Materials and Equipment: In all solicitations, either by competitive bidding, or negotiation made by the Contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the Contractor of the Contractor's obligations under this contract and the Acts and the Regulations relative to Non-discrimination on the grounds of race, color, or national origin.

4. Information and Reports: The Contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Recipient or the Federal Highway Administration to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a Contractor is in the exclusive possession of another who fails or refuses to furnish the information, the Contractor will so certify to the Recipient or the Federal Highway Administration as appropriate, and will set forth what efforts it has made to obtain the information.

5. Sanctions for Noncompliance: In the event of a contractor's noncompliance with the Nondiscrimination provisions of this contract, the Recipient will impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:

   a. withholding payments to the Contractor under the contract until the Contractor complies; and/or
   b. cancelling, terminating, or suspending a contract, in whole or in part.

6. Incorporation of Provisions: The Contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The Contractor will take action with respect to any subcontract or procurement as the Recipient or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the Contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the Contractor may request the Recipient to enter into any litigation to protect the interests of the Recipient. In addition, the Contractor may request the United States to enter into the litigation to protect the interests of the United States.

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
APPENDIX E OF THE TITLE VI ASSURANCES

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the Contractor) agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

Pertinent Non-Discrimination Authorities:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d *et seq.,* 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 *et seq.),* (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 *et seq.),* as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 *et seq.),* (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.P.R. parts 37 and 38;
- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

Risk Management Appendix

Service Contracts with Private Individuals, Companies, Corporations, Etc.:

Contractor agrees to defend, indemnify, and hold harmless the state of North Dakota, its agencies, officers and employees (State), from and against claims based on the vicarious liability of the State or its agents, but not against claims based on the State's contributory negligence, comparative and/or contributory negligence or fault, sole negligence, or intentional misconduct. The legal defense provided by Contractor to the State under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for the State is necessary. Contractor also agrees to defend, indemnify, and hold the State harmless for all costs, expenses and attorneys' fees incurred if the State prevails in an action against Contractor in establishing and litigating the indemnification coverage provided herein. This obligation shall continue after the termination of this agreement.

Contractor shall secure and keep in force during the term of this agreement, from insurance companies, government self-insurance pools or government self-retention funds authorized to do business in North Dakota, the following insurance coverages:

1) **Commercial general liability** and **automobile liability** insurance – minimum limits of liability required are **$250,000 per person** and **$1,000,000 per occurrence.**
2) **Workers compensation** insurance meeting all statutory limits.
3) The State of North Dakota, its agencies, officers, and employees (State) shall be endorsed as an **additional insured** on the commercial general liability and automobile liability policies.
4) Said endorsements shall contain a **"Waiver of Subrogation"** in favor of the state of North Dakota.
5) The policies and endorsements may not be canceled or modified without **thirty (30) days prior written notice** to the undersigned State representative.

Contractor shall furnish a certificate of insurance evidencing the requirements in 1, 3, and 4, above to the undersigned State representative prior to commencement of this agreement.

The State reserves the right to obtain complete, certified copies of all required insurance documents, policies, or endorsements at any time. Any attorney who represents the State under this contract must first qualify as and be appointed by the North Dakota Attorney General as a Special Assistant Attorney General as required under N.D.C.C. Section 54-12-08.

When a portion of a Contract is sublet, the Contractor shall obtain insurance protection (as outlined above) to provide liability coverage to protect the Contractor and the State as a result of work undertaken by the Subcontractor. In addition, the Contractor shall ensure that any and all parties performing work under the Contract are covered by public liability insurance as outlined above. All Subcontractors performing work under the Contract are required to maintain the same scope of insurance required of the Contractor. The Contractor shall be held responsible for ensuring compliance with those requirements by all Subcontractors.

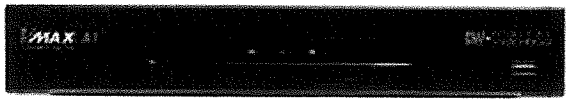
Contractor's insurance coverage shall be primary (i.e., pay first) as respects any insurance, self-insurance or self-retention maintained by the State. Any insurance, self-insurance or self-retention maintained by the State shall be excess of the Contractor's insurance and shall not contribute with it. The insolvency or bankruptcy of the insured Contractor shall not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the insured Contractor from meeting the retention limit under the policy. Any deductible amount or other obligations under the policy(ies) shall be the sole responsibility of the Contractor. This insurance may be in a policy or policies of insurance, primary and excess, including the so-called umbrella or catastrophe form and be placed with insurers rated "A-" or better by A.M. Best Company, Inc. The State will be indemnified, saved, and held harmless to the full extent of any coverage actually secured by the Contractor in excess of the minimum requirements set forth above.

RM Consulted 2007
Revised 5-09

NDDOT
North Dakota
Department of Transportation

VMAX A1™
Universal HD over Coax

Universal HD Digital Video Recorder
DW-VAONE 16



DW-VAONE 16

ALL in 1
Universal HD over Coax

+UTC

HD over Coax | 16 CH 480 | 16 Channels, 480fps | PF PathFinder | CMS | tv Apple TV | 5YEAR Limited Warranty

Summary

The VMAX A1™ Digital Video Recorder supports all HD Analog formats and all analog to 960H via coaxial cables, offering a seamless upgrade to HD resolution. Up the Coax (UTC) remote configuration is available with all compatible cameras. The A1™ is available with up to 8TB of storage.

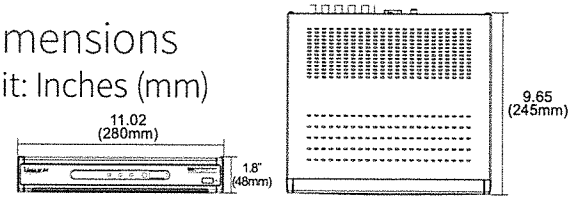
Features

- Universal HD DVR Records all HD Analog Formats and All Analog to 960H
- Real Time 30fps Recording up to 1080p
- Support up to 5MP HD Analog Cameras
- Pathfinder™ Auto Port Forwarding
- Pivot™ Central Management Software up to 128 Channels
- Event Camera Group Recording
- Mobile Application for iPhone®, iPad®, iPod®, Android® Smart Phones and Tablets and Apple TV
- Mac® Compatible Remote ACS Software
- VMAX 2.0 Intuitive Graphical User Interface (GUI)
- OSD and PTZ Control via Coax (UTC)
- Signal Hybrid Detects Any Camera at Any Input Automatically.
- True HD 4K Output
- HDD Calculation and Auto Recording Configuration
- Event Notifications via Email, Text and Pivot™ CMS
- Advanced H.264 Embedded DVR
- Multiplex - Live, Playback, Recording, Backup, Network, Configuration
- USB 3.0
- 1 Audio Input, 1 Audio Output
- 1 Sensor Input, 1 Relay Output
- Digital Spot Monitoring Output at D1 resolution
- Simple & Free DDNS Service
- Easy Web-Based Client with Multi-User Access
- Help Menu on Major Functions
- Auto & Manual Firmware Upgrade Available
- 5 Year Limited Warranty

Available Models

- DW-VAONE161T - 1TB Internal Storage
- DW-VAONE162T - 2TB Internal Storage
- DW-VAONE163T - 3TB Internal Storage
- DW-VAONE164T - 4TB Internal Storage
- DW-VAONE166T - 6TB Internal Storage
- DW-VAONE168T - 8TB Internal Storage

Dimensions
unit: Inches (mm)



Specifications

VIDEO		
Video Signals Supported		Analog Signal up to 960H, ALL HD Analog
Video Input		16 Channels
Video Live	Frame Rate	1~30fps
	Resolution	All HD Analog 720p, 1080p, 3MP and 5MP Cameras and All Analog Resolutions up to 960H
Video Output		HD Output (MAX Resolution : 3840 x 2160@30 fps), Spot Output (D1 Display Resolution), VGA
Audio	Input	1 Input
	Output	1 Output
	Audio Codec	PCM
Alarm	Sensor Input	1 Input
	Alarm Out	1 Output
Operating System		Embedded Linux®
Serial		Control I/O, 1x RS485 for keyboard and PTZ control
User Interface	Menu Display	Graphical User Interface (GUI)
	Control Methods	IR Remote Control (Optional), USB Mouse
Screen Display Mode		1, 4, 9, 16 Sequence
Screen Resolution		3840 x 2160, 1920x1080P, 1280x1024, 1024x768
PERFORMANCE		
Recording	Compression	H.264
	Recording Mode	Schedule, Event, Panic, Continuous, Pre & Post Event, Motion, Recording Configuration per Channel
	Pre Recording	1~5 Seconds
	Post Recording	5~15 Seconds
	Recording Rate	Up to 480fps total at up to 1080p
		Up to 320fps total at 3MP
		Up to 192fps total at 5MP
	Recording Resolutions	All HD Analog 720p, 1080p, 3MP and 5MP Cameras and All Analog Resolutions up to 960H
Playback	Playback Rate	Up to 480fps total at up to 1080p
		Up to 320fps total at 3MP
		Up to 192fps total at 5MP
	Playback Resolution	All HD Analog 720p, 1080p, 3MP and 5MP Cameras and All Analog Resolutions up to 960H
	Fast Forward Functions	x1/16, x1/8, x1/4, x1/2, x1, x2, x4, x8, x16, x32
	Playback Functions	First Data, Last Data, Date/Time, Record Table, Calendar, Bookmark, System Log
Storage	HDD Interface	1 HDD
	Max. Internal HDDs	Up to 8TB
	External Backup Storage	USB Flash Drive, USB HDD
	HDD Interface Type	SATA-II, SATA-III
	HDD Health Check	Temperature, S.M.A.R.T. with E-mail Notifications
Features	Camera Color Control	Brightness, Contrast, Saturation, Hue
	Digital Zoom	Yes (Live & Playback)
	Software Upgrade	USB Flash Drive, Network Upgrade, FTP Remote Upgrade
	Mobile Client	Mobile App for Apple® & Android® Smart Phones & Tablets
	Covert Channel	Yes (Live & Playback)
NETWORK		
Network Connection		Ethernet (1 xGigabit 10/100/1000 Gobs)
Maximum User Connections		10 Simultaneous Connections
Streaming	Transmission Speed Live	Up to 480fps total at up to 1080p
		Up to 320fps total at 3MP
		Up to 192fps total at 5MP
Protocols		Static, DDNS, DHCP, uPnP, RTSP
Access	Web Viewer	Live, Playback, & Configuration up to 10 Multiple Connections
	Client Monitoring Software	Mac® (Apple® S/W), Pivot™ (CMS S/W)
GENERAL		
Operating Temperature / Humidity		41°F ~ 104°F (5°C ~ 40°C), Less than 80% (Non-Condensing)
Electrical	Power Requirement	12V DC
	Power Consumption	60W, 5A
Dimensions		11.02 x 9.65 x 1.89 inch(280 x 245 x 48mm)
Weight		5.56lbs (2.52 KG)

: 866.446.3595 : sales@dwcc.tv : www.digital-watchdog.com

DW DIGITAL WATCHDOG®
Complete Surveillance Solutions

Rev Date: 07/16

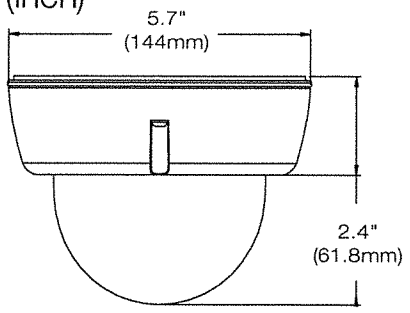
Copyright © Digital Watchdog. All rights reserved. Specifications and pricing are subject to change without notice.

STAR-LIGHT MPA™
Super Low-Light Megapixel Analog Cameras

1.3 Megapixel Analog Outdoor Dome Camera with IR
DWC-V5661TIR



Dimensions
unit : mm (inch)



1.3 Active Megapixels | 2.8-12mm Varifocal Lens | STAR-LIGHT™ | WDR | IP66 Rated | **5YEAR** Warranty

Summary

Full-featured STAR-LIGHT MPA™ Megapixel Analog Cameras deliver up to 800TVL resolution with a 1.3MP CMOS sensor in any lighting conditions. QuickZoom™ technology lets you see the additional resolution without pixilation.

Features

- 1/3" 1.3MP CMOS, 820TVL [B/W], 800TVL [Color]
- 2.8~12mm Varifocal Auto Iris Lens
- QuickZoom™ Full Frame 8x Digital Zoom with no Loss in Resolution
- STAR-LIGHT™ Super Low Light Technology
- Wide Dynamic Range (WDR)
- CleanView™ Hydrophobic Dome Coating Repels Water, Dust and Grease (Outdoor Domes Only)
- Smart IR™ with Intelligent Camera Sync. 100ft Range
- Smart DNR™ 3D Digital Noise Reduction
- Highlight Masking Exposure (HME)
- De-Fog™ (Extreme Weather Image Compensation)
- Auto Sensing 24VAC/12VDC with Line Lock
- Secondary Video-BNC Output (While UTP in use)
- Easy Icon Driven OSD Menu with Built-in Joystick
- True Day/Night Mechanical IR Cut Filter
- Programmable Privacy Zones
- Auto Gain Control (AGC)
- Backlight Compensation (BLC)
- Dynamic Range Compressor (DRC) Reveals Low Light Detail
- Auto White Balance (AWB)
- UTP Built-In
- OSD Control via Coax (UTC)
- RS-485 Built-in
- Motion Trigger Output (5V)
- IP66 Certified (Weather Resistant)
- 5 Year Warranty

Specifications

VIDEO	
Image Sensor	1/3" 1.3MP CMOS Sensor
Active Pixels	1280 (H) x 1024 (V)
Scanning System	2 : 1 Interlace
Frequency	15.734KHz (H), 59.95Hz (V)
Synchronization	Internal or Line Lock
Horizontal Resolution	820 TV Lines [B/W], 800 TV Lines [Color]
Minimum Illumination	F1.2 (30IRE): 0.0 Lux
S/N Ratio	55dB (AGC off)
Video Output	CVBS: 1.0Vp-p / 75 Ω
Alarm Output	1 Alarm Output
LENS	
Focal Length	2.8~12 mm
Lens Type	Varifocal Auto Iris Lens
IR Distance	100ft Range
OPERATIONAL	
Shutter Speed	50(60) ~ 60,000s
Backlight	OFF / HME / BLC / WDR
Star-Light (Sense-Up)	OFF / x2 ~ x64
3D-DNR	OFF / Low / Middle / High
White Balance	ATW / AWB / PUSH / MANUAL
Day and Night	Auto / Day / Night
Mirror/ Flip	OFF / ON
Auto Gain Control	0 ~ 20
Intelligent Motion Detection	Digital Quick Zoom
Motion Detection	4 Motion Regions
Privacy Zones	16 Programmable Privacy Masks
Enhanced Day & Night Function	LED Operation point selection, External LED ON/OFF Control
Sharpness	0 ~ 10
Gamma	0.45 ~ 0.65
De-Fog	OFF / ON
ENVIRONMENTAL	
Operating Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Operating Humidity	Less than 90% (Non-Condensing)
IP Rating	IP66 (Protects against dust and high pressure water.)
ELECTRICAL	
Power Requirement	Dual Voltage (DC12V, AC24V)
Power Consumption	DC12V: 3.3W, 275mA, LED On: 5.94W, 495mA
	AC24V: 2.56W, 106mA, LED On: 4.9W, 204mA
MECHANICAL	
Housing Material	Aluminum
Dimensions	5.7 x 4.28 Inches (145 x 108.8 mm)
Weight	1.65 lbs

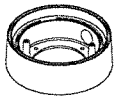
Accessories (Optional)



DWC-V1WM
Wall Mount for V1, V3, V5 and V6 Outdoor Dome Cameras



DWC-V1CM
Ceiling Mount for V1, V3, V5 and V6 Outdoor Dome Cameras



DWC-V1JUN
Junction Box for V1, V3, V5 and V6 Outdoor Dome Cameras



DWC-V1CNM
Corner Mount for V1, V3, V5 and V6 Outdoor Dome Cameras

: 866.446.3595 : sales@dwcc.tv : www.digital-watchdog.com

DW DIGITAL WATCHDOG®
Complete Surveillance Solutions

Rev Date: 07/16

Copyright © Digital Watchdog. All rights reserved. Specifications and pricing are subject to change without notice.

North Dakota Department of Transportation

AMENDMENT TO CONTRACT NO. 50162026

Project No.

THIS AMENDMENT to the above-referenced contract is entered into by and between the State of North Dakota, acting through its Director of Transportation, hereinafter known as NDDOT, whose address is 608 East Boulevard Avenue, Bismarck, North Dakota 58505-0700, and Laser Systems , Inc, hereinafter known as the Contractor, whose address is 901 Westrac Dr., Fargo, ND 58103.

WHEREAS, the parties entered into a contract on 01/01/2017; and

WHEREAS, the contract was competitively bid and awarded to the Contractor; and

WHEREAS, the Contractor has performed satisfactorily under the terms of the contract; and

WHEREAS, the Contractor has expressed a willingness to extend the term of the above referenced contract for an additional twelve (12) months; and

NOW THEREFORE, the Contractor and NDDOT agree that the term of the contract is extended through 12/31/2018.

All other terms and conditions of the above-referenced contract are incorporated herein by reference and remain in full force and effect.

EXECUTED the date last below signed.

WITNESS:

RANDALL A. LEKANDER
NAME (TYPE OR PRINT)

Randall A Lekander
SIGNATURE

To be signed by **Owner**; **Partner**; **Corp. Pres.**, **Vice Pres.**, or **other authorized Corp. Officer**. (If signed by other authorized Corp. Officer, please attach copy of Power of Attorney or other documentation showing authority to sign.)

CONTRACTOR:

Laser Systems, Inc.
COMPANY NAME

Corey English
OFFICER'S NAME (TYPE OR PRINT)

SIGNATURE

President / Owner
TITLE

11/20/17
DATE

WITNESS:

Sandra Goebel
NAME (TYPE OR PRINT)

Sandra Goebel
SIGNATURE

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

Mark Nelson
DIRECTOR (TYPE OR PRINT)

SIGNATURE

11/28/17
DATE

APPROVED as to substance by:

Glenn E. Jackson
DIVISION DIRECTOR (TYPE OR PRINT)

SIGNATURE

11/28/17
DATE

CLA 52494 (Div. 06)
L.D. Approved 5-19-00; 5-03

APPROVED as to execution this
28 day of November 20 17
ATTORNEY GENERAL
By
SPECIAL ASST. ATTORNEY GENERAL

NDDOT
North Dakota
Department of Transportation

North Dakota Department of Transportation

AMENDMENT TO CONTRACT NO. 50162026

Project No.

THIS AMENDMENT to the above-referenced contract is entered into by and between the State of North Dakota, acting through its Director of Transportation, hereinafter known as NDDOT, whose address is 608 East Boulevard Avenue, Bismarck, North Dakota 58505-0700, and Laser Systems, Inc., hereinafter known as the Contractor, whose address is 901 Westrac Dr., Fargo, ND 58103.

WHEREAS, the parties entered into a contract on 01/01/2017; and

WHEREAS, the contract was competitively bid and awarded to the Contractor; and

WHEREAS, the Contractor has performed satisfactorily under the terms of the contract; and

WHEREAS, the Contractor has expressed a willingness to extend the term of the above referenced contract for an additional twelve (12) months; and

NOW THEREFORE, the Contractor and NDDOT agree that the term of the contract is extended through 12/31/2019.

All other terms and conditions of the above-referenced contract are incorporated herein by reference and remain in full force and effect.

EXECUTED the date last below signed.

WITNESS:

Blake English
NAME (TYPE OR PRINT)

Blake English
SIGNATURE

To be signed by **Owner; Partner; Corp. Pres., Vice Pres., or other authorized Corp. Officer.** (If signed by other authorized Corp. Officer, please attach copy of Power of Attorney or other documentation showing authority to sign.)

CONTRACTOR:

Laser Systems, Inc.
COMPANY NAME

Corey B. English
OFFICER'S NAME (TYPE OR PRINT)

SIGNATURE

President / Owner
TITLE

12/10/18
DATE

WITNESS:

Sondra Goebel
NAME (TYPE OR PRINT)

Sondra Goebel
SIGNATURE

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

Mark Nelson
DIRECTOR (TYPE OR PRINT)

SIGNATURE

12/18/18
DATE

APPROVED as to substance by:

Glenn E. Jackson
DIVISION DIRECTOR (TYPE OR PRINT)

SIGNATURE

12/18/18
DATE

CLA 52494 (Div. 06)
L.D. Approved 5-19-00; 5-03

APPROVED as to execution this
18 day of December 2018
ATTORNEY GENERAL
By
SPECIAL ASST. ATTORNEY GENERAL

NDDOT
North Dakota
Department of Transportation