

STATEMENT OF WORK

FOR

MIRA Camera

08 January 2026

I. BACKGROUND: AFIT's Center for Technical Intelligence and Research (CTISR) requires a short wave infrared event based camera. It will significantly impact the organization's ability to conduct student led research into advanced sensing techniques which will likely be integrated into the next generation of sensors for US weapon systems. This system will provide invaluable hands on experience for graduate students. It represents an extremely unique capability that requires substantial study in order to mature it for the future war fighting mission. AFIT students are unique equipped to perform this research.

II. SCOPE: The vendor shall provide a short wave infrared synchronous event-based camera per the requirements listed below to include shipping of instrument from vendor facility and training.

The following specification lists the minimum (threshold) requirements for the SWIR event based sensor capability:

1. Synchronous event-based detection
2. Spectral range: 400-1700 nm.
3. Full frame output rate >1 kHz.
4. Pixel pitch < 12 micron.
5. Sensor size >= 640x512
6. Asynchronous laser detection at <50 kHz
7. Camera link interface

III. TECHNICAL REQUIREMENTS: QUALIFYING COUNTRY PRODUCTS: All products proposed/delivered to satisfy these requirements shall be either domestic or qualifying country end products in accordance with DFARS 252.225-7001. Buy American and Balance of Payments Program

IV. DELIVERY: The vendor shall deliver and complete all requirements of this Statement of Work no later than 12 weeks after contract award:

a. Address:

Air Force Institute of Technology (AFIT/ENP)
ATTN: Gregory W Smith
2950 Hobson Way
Wright-Patterson AFB, OH 45433-7765
Phone: 937-902-4372

b. Delivery Performance: Contractor shall be responsible for transportation of all new products, loading, unloading, storage and all necessary movement from factory to final onsite set up.

c. The contractor Project Manager shall be responsible for on-site coordination of all

deliveries of their product, to include access to and operation of any equipment needed for unloading and movement of materials or product necessary to complete all requirements of this Statement of Work

VI. INSPECTION AND ACCEPTANCE: AFIT is designated as the office responsible for inspection and final acceptance of supplies or services provided in this order. A receiving report shall be accomplished immediately upon receipt and acceptance of supplies.

a. Inspection/Acceptance POC: A POC will be identified in the schedule of the final awarded contract for this requirement.

VII. WARRANTY: Product will be free from defects in material and workmanship, under normal and proper use in accordance with equipment user manual. A warranty period of at least two years, after receipt/acceptance, with parts and labor with return to factory freight costs included.

VIII. INVOICE AND PAYMENTS: Full payment after delivery and proof the system operates as designed and meets the technical requirements listed above. This proof includes a signed installation document certifying those requirements have been met. **100% payment after delivery.** The contractor shall be paid upon submission of a properly prepared invoice and after final inspection and acceptance has been made.

- a.** A proper invoice shall cite the contractor's name and address, invoice number, invoice date, order number, contract line-item number (CLIN), description of the supplies or service, unit of issue, unit price and extended price, terms of any prompt payment discount offered, and who to notify in the event the invoice is defective. The invoice shall be submitted to and will be paid in Wide Area Workflow (WAWF) (<https://wawf.eb.mil/>). in accordance with the terms of the final contract award.
- b.** Payment will be made on a net 30 basis.

IX. DELIVERY PROCEDURES COMMERCIAL VEHICLES: All vehicles larger than a large pick-up truck is required to be inspected by the Wright- Patterson Air Force Base Commercial Vehicle Delivery Gate (CVDG) prior to entering the installation.

9.1 Vehicles to be inspected include, but are not limited to, the following:

- 9.1.1** Step van/panel truck
- 9.1.2** Tractor/trailer, box, and flatbed containing cargo
- 9.1.3** Tanker trucks
- 9.1.4** Box Trucks
- 9.1.5** Tour buses
- 9.1.6** Garbage/recycled waste trucks
- 9.1.7** Concrete trucks/mixers, dump trucks
- 9.1.8** Cranes, recreational vehicles, petroleum tanker

9.2 This inspection will be conducted at Gate 16A located off State Route 444. The following are exceptions to vehicles utilizing the CVDG:

9.2.1 If the vehicle has the product inside (concrete and asphalt trucks) and timely delivery is necessary due to product deterioration it does not need to enter the CVDG. To bypass the CVDG, the contractor shall submit a list containing drivers' names, social security numbers and the state in which the driver's license is held for those drivers who will be entering the base. This shall be accomplished 24 hours prior to requested entry time. If entry is requested on Monday, this list must be submitted by Friday at 1630 hours. All lists shall be submitted to the 88th ABW/CE Directorate contract inspector. The only gates that may be used under this exemption shall be 15A, 26A, 38A, and gate 1B. If the driver's name is not on the list,

he/she will not be allowed access to the installation through these gates and the base will not assume liability for denied access.

9.2.2 If a delivery vehicle must exit, and then re-enter the base to complete its route, the vehicle shall be resealed upon exiting the base. After initially passing through the commercial vehicle delivery gate, trucks shall be resealed at Gates 15A, 38A and 22B. The resealing of the trucks will allow them to continue to any other area of the installation (Areas A, B, or Kittyhawk) without reprocessing through the CVDG. To receive resealing assistance, the drivers shall physically stop at one of the three authorized gates and request the installation entry controller to reseat their truck and provide the next location of their delivery. The controller will reseat the truck and give the delivery driver a pre-clearance form. The driver shall present the pre-clearance form to the entry controller at the next point of installation entry. This reentry can be at any base gate.

9.2.3 Wright Patterson Integrated Defense Plan, paragraph 3.10.12.9.2. All irregular deliveries will be sent to the CVDG for inspection. All visitors, which include contractors and commercial vendors without proper background checks and contractor passes, will not be allowed on WPAFB unless escorted by the receiving agency. This will take place after the individual(s) are issued a pre-clearance form at the CVDG. After successful completion of the vehicle inspection, the receiving agency will escort the individual to and from their destination on WPAFB. An inspector at the CVDG will contact the receiving, agency, informing them to send an escort to the CVDG. Escorts will remain with the vehicle at all times while it is on WPAFB.

9.3 Vehicles may be subject to an inspection at any of installation entry control points during a directed random antiterrorism measure (RAM). Any commercial vehicle, regardless of size, can be.