

# LowCam™ VI104

## Fixed, In-Ground Under Vehicle Inspection

*Great for areas that experience harsh weather.*

The LowCam™ VI104 Under Vehicle Inspection System is a permanent under vehicle inspection system. The system lies flush to the road and is ideal in adverse weather conditions such as heavy rainfall, strong winds and dusty environments. An optional state-of-the-art air knife debris removal system removes moisture and unwanted litter to assure a clear view.

The LowCam™ VI104 offers a slim, in-ground design without forfeiting quality, detailed images of the entire vehicle's undercarriage. Using high-intensity LEDs, on-screen images can be captured and recorded in low or no-light settings and in all weather conditions. The system is equipped with eight day/night cameras, four optimized for both high and low vehicles. The LowCam™ VI104 produces clear, detailed, on-screen images that aid in the detection of foreign objects or vehicle modifications.

Unlike the competition, the LowCam™ VI104 under vehicle inspection is a full PC-based system that operates using Advanced Detection Technology's own LowCam™ software. The software provides quad or linear images displayed on a 19inch computer monitor for quick and easy inspections. Security personnel can review, scan, and zoom in on areas of interest using a standard touch pad. Inspections are conducted in a remote, stand-off location therefore dramatically increasing the safety of personnel.





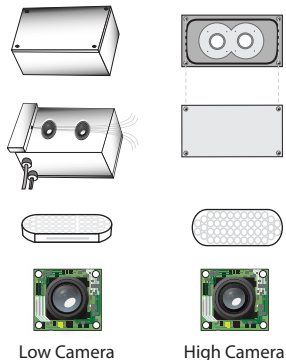
- >> **Fixed, In-Ground UVIS**
- >> **Optional Air-Debris Removal**
- >> **Inspect Vehicles up to 10mph**



- >> **Remote, Stand-off Inspections**
- >> **Day/Night Operation**
- >> **Fast, Reliable Inspections**

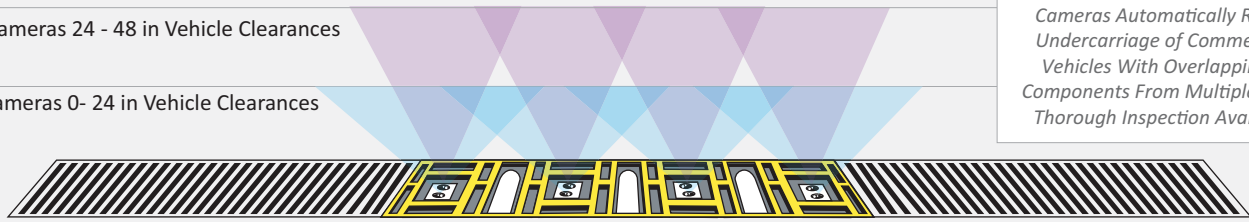


# LowCam™ VI104 Specifications

|                    |  |   |
|--------------------|--|---|
| MONITOR            | 19 in. Screen Opening (WxH) 14.9 x 12.0 in (38.0 x 30.5 cm)<br>Type: Active matrix, thin film transistor (TFT)<br>21 in. & 27 in. Monitor Upgrades—Touchscreen Optional  |                                      |
| CONTROL UNIT       | CPU Pentium Dual Core E5300—2.6 Ghz—250 GB Hard Drive<br>2 MB Cache—800Mhz Fsb—2GB Ddr2 Memory—667 Mhz Integrated Graphics Card—400w Power Supply—4 Cooling Fans with Integrated Easy Access Air Filter—17 x 15 x 5 inches (43.2 x 38.1 x 12.7 cm) |   |
| TOUCHPAD           | Device area: 4.0 x 4.4 x 0.4 inches—Touch Area: 3 x 2 inches<br>6-foot Cable—4 Mechanical Buttons—2 Tap Zones  |   |
| CABLE              | 22 ga Twisted Pair Shielded Cable—Up to 1000' or Wireless/Fiber Options  |                                      |
| CONNECTORS         | Mil Spec Connectors—1 ¼ inch Diameter (conduit 2 inch dia. min.)   |   |
| CAMERA HOUSINGS    | Four, Environmentally Sealed, Solid Aerospace Grade 6061-T6 Aluminum Blocks with Camera Mounts and Crystal Sapphire Lenses   |  <p>Low Camera      High Camera</p> |
| AIR DEBRIS REMOVAL | Integrated Air Valves Deliver High Pressure Air To Clear Debris And Moisture From Camera Lenses (Optional Accessory)   |   |
| LIGHTING           | Bright White D/N Motion Activated LED Panels Rated MTBF of 100,000 hours   |   |
| CAMERAS            | 8 High Resolution Color Cameras— 525 Line Resolution—3.6mm Lens (Passenger Vehicles) 6mm Lens (Commercial Vehicles)<br>Fixed Lens for Optimal Field of View—.01 Lux Sharp Chip Set   |   |


High Cameras 24 - 48 in Vehicle Clearances

Low Cameras 0- 24 in Vehicle Clearances



*Cameras Automatically Record the Complete Undercarriage of Commercial and Passenger Vehicles With Overlapping Views Capturing Components From Multiple Angles For the Most Thorough Inspection Available on the Market*

|             |  |
|-------------|--|
| TEMPERATURE | 14° F to 122° F (-10° C to +50° C) CPU / -30° F to 176° F (-34° C to 80° C) Camera Unit—Heating and Cooling Elements Optional  |
| WEIGHT      | Can Withstand up to 50,000 lbs. Per Axel   |
| SOFTWARE    | Quad View Inspection Format—Inspect Components from Multiple Angles—Motion Detect Auto Start/Stop Record—Vehicle Queuing System—pause, rewind, zoom, adjust playback speed, and fast-forward, step forward, step back to conduct inspection—Day/Night Operation—Bi Directional—Inspect Vehicle Travelling Up to 10mph / 16kph—Manual License Plate Entry Standard Integrated ALPR Optional—“Alert” and “Approved” vehicles—On Screen Alerts—Detailed Researchable Database—Stores up to 15,000+ vehicle records with Corresponding Scene Camera footage for future inspection, litigation, insurance, or due diligence—Server Connection to Network Several Gates Optional |
| TRAINING    | Operational and Hardware training manuals available on-screen at all times—On site Training Available  |
| WARRANTY    | One-Year Manufacturer’s Warranty included with all LowCam™ systems.  |

|                                 |   |                                 |                            |                                 |                      |                    |                             |                               |                |               |                            |                     |                              |                           |                            |                                |                           |                               |  |                                 |                             |  |                  |                         |  |   |
|---------------------------------|---|---------------------------------|----------------------------|---------------------------------|----------------------|--------------------|-----------------------------|-------------------------------|----------------|---------------|----------------------------|---------------------|------------------------------|---------------------------|----------------------------|--------------------------------|---------------------------|-------------------------------|--|---------------------------------|-----------------------------|--|------------------|-------------------------|--|---|
| ACCESSORIES                     | <table border="0"> <tr> <td>Integrated ALPR</td> <td>21 or 27in Monitor Upgrade</td> <td>Finger Print Reader Integration</td> </tr> <tr> <td>Driver Image Capture</td> <td>FastGate™ Complete</td> <td>Server Network (Multi Gate)</td> </tr> <tr> <td>Scene Capture up to 4 Cameras</td> <td>Grasp HandHeld</td> <td>Snow Plow Kit</td> </tr> <tr> <td>Facial Recognition Cameras</td> <td>Touchscreen Monitor</td> <td>Monitor Feed to Command View</td> </tr> <tr> <td>Heater or Cooling Element</td> <td>Increased Storage Capacity</td> <td>Camera Module Hot Swap (L &amp; R)</td> </tr> <tr> <td>Air Debris Removal System</td> <td>Custom Cables Length/Segments</td> <td></td> </tr> <tr> <td>Auto Archive 2TB External Drive</td> <td>Gate—Wedge—Bollard Controls</td> <td></td> </tr> <tr> <td>Field Repair Kit</td> <td>RFID—Barcode—Smart Card</td> <td></td> </tr> </table> | Integrated ALPR                 | 21 or 27in Monitor Upgrade | Finger Print Reader Integration | Driver Image Capture | FastGate™ Complete | Server Network (Multi Gate) | Scene Capture up to 4 Cameras | Grasp HandHeld | Snow Plow Kit | Facial Recognition Cameras | Touchscreen Monitor | Monitor Feed to Command View | Heater or Cooling Element | Increased Storage Capacity | Camera Module Hot Swap (L & R) | Air Debris Removal System | Custom Cables Length/Segments |  | Auto Archive 2TB External Drive | Gate—Wedge—Bollard Controls |  | Field Repair Kit | RFID—Barcode—Smart Card |  |  |
| Integrated ALPR                 | 21 or 27in Monitor Upgrade  | Finger Print Reader Integration |                            |                                 |                      |                    |                             |                               |                |               |                            |                     |                              |                           |                            |                                |                           |                               |  |                                 |                             |  |                  |                         |  |   |
| Driver Image Capture            | FastGate™ Complete  | Server Network (Multi Gate)     |                            |                                 |                      |                    |                             |                               |                |               |                            |                     |                              |                           |                            |                                |                           |                               |  |                                 |                             |  |                  |                         |  |   |
| Scene Capture up to 4 Cameras   | Grasp HandHeld  | Snow Plow Kit                   |                            |                                 |                      |                    |                             |                               |                |               |                            |                     |                              |                           |                            |                                |                           |                               |  |                                 |                             |  |                  |                         |  |   |
| Facial Recognition Cameras      | Touchscreen Monitor   | Monitor Feed to Command View    |                            |                                 |                      |                    |                             |                               |                |               |                            |                     |                              |                           |                            |                                |                           |                               |  |                                 |                             |  |                  |                         |  |   |
| Heater or Cooling Element       | Increased Storage Capacity  | Camera Module Hot Swap (L & R)  |                            |                                 |                      |                    |                             |                               |                |               |                            |                     |                              |                           |                            |                                |                           |                               |  |                                 |                             |  |                  |                         |  |   |
| Air Debris Removal System       | Custom Cables Length/Segments   |                                 |                            |                                 |                      |                    |                             |                               |                |               |                            |                     |                              |                           |                            |                                |                           |                               |  |                                 |                             |  |                  |                         |  |   |
| Auto Archive 2TB External Drive | Gate—Wedge—Bollard Controls   |                                 |                            |                                 |                      |                    |                             |                               |                |               |                            |                     |                              |                           |                            |                                |                           |                               |  |                                 |                             |  |                  |                         |  |   |
| Field Repair Kit                | RFID—Barcode—Smart Card   |                                 |                            |                                 |                      |                    |                             |                               |                |               |                            |                     |                              |                           |                            |                                |                           |                               |  |                                 |                             |  |                  |                         |  |   |