

V14-LRx

Exceptional Standoff Range Performance



Exceptional Standoff Range

Finest EO Ground Sample Distance (GSD) for its class

Integrated MISB compliant Metadata

Continuous Zoom EO/IR for constant situational awareness

High Accuracy Geo-Pointing, Geo-Location, and Geo-Targeting

Streaming Video Interface (Rover Compatible)

Image Exploitation Software: North Centering, Scene Lock, Geodetic Registration, Multi-Target Tracking, Mosaic Composite Imagery

The V14-LRx is a high performance dedicated "Spot Ball" imaging solution.

The V14-LRx camera system was designed to support the operational goals of increased standoff range, improved feature detection and recognition performance, as well as offering image exploitation software to reduce the operational workload and enhance mission effectiveness. The V14-LRx features high-magnification, true continuous zoom optics for the infrared and daylight video channels. The V14-LRx maximizes the effectiveness of the sensor suite through the use of super telephoto lenses to maintain constant situational awareness and enable detailed technical analysis at extreme slant ranges, for increased operational efficiency.

General Dynamics Global Imaging Technologies designs and manufactures a full portfolio of high-performance precision pointing camera systems that provide our customers the clarity, accuracy and reliability to successfully complete their mission.

System Specifications

- System Type: 4-axis (active)
- Turret Size (H x W x L): 19.8" x 14.9" x 19.9"
- Turret Weight: 81 lbs.
- Auxiliary Unit: 27 lbs.
- System Weight (w/ standard cables): < 125 lbs.
- Azimuth Coverage: 360° Continuous
- Elevation Coverage: 20° to -195°
- Slew Rate: 0-30°/sec

Daylight Sensor

- Sensor type: 2/3" 3-CCD
- Resolution: 1920 x 1080
- Video Output: HD-SDI, NTSC/PAL
- Field of View Type: Continuous
- Field of View (optical): 9.8° to 0.27°
- Focal Length (optical): 56-2016mm
- Electronic Zoom: 2x
- Effective Focal Length: 4032mm (2x)
- Maximum NFOV: 0.14° (2x)

Thermal Sensor (Option 1)

- Sensor type: 640 x 480 MCT FPA
- Spectral Band: 3-5 μ m
- Resolution: 640 x 480 (1920 x 1080 digital)
- Video Output: HD-SDI, NTSC/PAL
- Field of View Type: Continuous
- Field of View (optical): 8.8° to 0.77°
- Focal Length (optical): 50-570mm
- Electronic Zoom: 2x
- Effective Focal Length: 1140mm (2x)
- Maximum NFOV: 0.39° (2x)

Additional System Options

- Inertial Measurement Unit
- Geo-Pointing
- Video Auto-Tracker
- Moving Maps
- Remote Control



Manufacturer reserves the right to change specifications to reflect latest changes in technology and improvements at any time without notice. Export is subject to U.S. Government regulations.

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