



HOOD FEDERAL

11-5

DETAILS

The Hood Federal 11-5 provides exceptional day/night capability in a small, lightweight, low power solution. In many cases, the low weight and power requirements have allowed users to add multi-INT capability to their platforms.

FEATURES

- Mid-wave infrared (MWIR) and electro-optical (EO) imaging
- Optional laser designator, laser pointer, laser spot tracker, and laser range finder
- Two simultaneous H.264 compressed video streams allow for situational awareness and detailed target inspection
- Embedded video processing, including image stabilization and target tracking
- Configurable shell allows for adaptation to any manned platform
- Exportable product variant available.

HOOD FEDERAL
11-5
 SPECIFICATIONS

LASERS

Designator	STANAG compliant Inquire for details
Pointer	830nm, < 150mW, 1.0 mrad
Laser Spot Tracker	1064 μm

MWIR IMAGER

Wavelength	3.3 - 5.3 μm
Field of View	1.6°- 22°
Zoom	13X
Pixels	640 x 480
Video Output	H.264, NTSC (legacy)

EO IMAGER

Wavelength	0.4 - 0.9 μm
Field of View	0.8°- 31.5°
Zoom	39X
Pixels	640 x 480
Video Output	H.264, NTSC (legacy)

GIMBAL

Weight	5,600gm with turrent enclosure
Dimensions	25.4cm ø sphere
Gimbal Sequence	Pan-over-tilt
Tilt	45° up; 90° down
Pan	360° (endless)
Slew Rate	60°/sec
Performance @ 1 Hz & 2 Hz	59 dB and 56 dB
Power Supply Range	24-32 VDC, 65W Nominal, 160W Peak
Communication	UDP Network, Serial (legacy)
Capability	MWIR imager, EO imager, laser pointer, laser spot tracker, laser designator



Hood Federal designs, builds, and sells stabilized turrets that incorporate electro-optical cameras, infrared imagers, laser markers and designators, and many other sensor payloads. Hood Federal imaging systems offer sophisticated capabilities developed to address a full range of military and civilian needs. The systems can accurately lock onto a target and carefully observe it while mounted to a constantly moving, high performance platform.

Hood Federal has sold over 10,000 turrets and provided EO/IR imagery for over 1,200,000 operational flight hours in rugged and austere conditions.