



## 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.

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# 11-5

## SPECIFICATIONS

### LASERS

Designator	STANAG compliant 50-70mJ, 0.3 mrad
Pointer	830nm, < 150mW, 1.0 mrad
Laser Spot Tracker	1064 $\mu$ m

### MWIR IMAGER

Wavelength	3.3 - 5.3 $\mu$ m
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 $\mu$ m
Field of View	0.8°- 31.5°
Zoom	39X
Pixels	640 x 480
Video Output	H.264, NTSC (legacy)

### GIMBAL

Weight	5,600gm with turret enclosure
Dimensions	25.4cm $\varnothing$ 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



[WWW.HOODTECH.COM/VISION](http://WWW.HOODTECH.COM/VISION)

Hood Tech designs, builds, and sells stabilized turrets that incorporate electro-optical cameras, infrared imagers, laser markers and designators, and many other sensor payloads. Hood Tech 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 Tech has sold over 6,000 turrets and provided EO/IR imagery for over 800,000 operational flight hours in rugged and austere conditions.