



## 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<br>50-70mJ, 0.3 mrad |
| Pointer            | 830nm, < 150mW,<br>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,<br>65W Nominal, 160W Peak  |
| Communication             | UDP Network, Serial (legacy)  |
| Capability                | MWIR imager, EO imager, laser<br>pointer, laser spot tracker, laser<br>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.