



HOOD FEDERAL AC-14

DETAILS

The Hood Federal AC-14 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), electro-optical (EO), short-wave infrared (SWIR) imaging
- Optional laser designator, laser pointer, laser spot tracker, and laser range finder
- Up to three simultaneous H.264 compressed video streams allow for situational awareness and detailed target inspection
- Factor 4 weight and power saving over industry standard
- Embedded video processing, including image stabilization and target tracking
- Configurable shell allows for adaptation to any manned platform
- Exportable product variant available.

HOOD FEDERAL
AC-14
 SPECIFICATIONS

GIMBAL

Weight	9,900 gm
Dimensions	32.3 cm ø sphere
Gimbal Sequence	Pan-over-tilt (4 Axis)
Tilt	35° up in use. 45° up for locking 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, 80W Nominal, 200W Peak
Communication	UDP Network , Serial (legacy)
Capability	SWIR, MWIR, EO Telescope, EO, MWIR Optical Zoom Imagers, Laser Designator, Laser Pointer, Laser Range Finder

EO IMAGER

Wavelength	0.4 - 0.9 µm
Field of View	1.2° - 48°
Zoom	39X
Pixels	960 x 720

EO TELESCOPE

Wavelength	0.45 - 0.75 µm
Horizontal Field of View	0.18° - 0.75°
Zoom	4x
Pixels	960 x 720

LASERS

Designator	STANAG compliant 50-70mJ, 0.3 mrad
Pointer	830nm, < 150mW,
Range finder	10KM range 1.535 µm

MWIR IMAGER

Wavelength	3.3 - 5.3 µm
Field of View	1.6° - 22° (SD)
Zoom	13X
Pixels	640 x 480

SWIR IMAGER

Wavelength	0.8 - 1.8 µm
Horizontal Field of View	0.18° - 0.55° (SD)
Zoom	3X
Pixels	640 x 480 (SD), 960 x 720 (HD)

MWIR TELESCOPE

Wavelength	3.3 - 5.3 µm (MWIR)
Horizontal Field of View	0.65° (SD)
Pixels	640 x 480 (SD), 960 x 720 (HD)



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.