



ALTICAM AC-14

DETAILS

The 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.

ALTICAM AC-14 SPECIFICATIONS

| GIMBAL | |
|---------------------------|---|
| Weight | 10,200 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 | 30X |
| Pixels | 960 x 720 |
| Total Pixels | 12MP |

| EO TELESCOPE | |
|--------------------------|----------------|
| Wavelength | 0.45 - 0.75 µm |
| Horizontal Field of View | 0.18° - 0.75° |
| Zoom | 4x |
| Pixels | 960 x 720 |
| Total Pixels | 12MP |

| 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 optional) |



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Alticom 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.

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