TASE500 HD
Advanced Multi-Spectral Imaging System

HD Imaging Performance
- HD solution for improved image quality and clarity
- Full digital imaging enables advanced post processing and third party exploitation tools and no compression artifacts
- Fourth Generation HD-MWIR imager for superior IR imaging at long ranges, including local area processing and noise reduction filter
- Precision optics for maximum image sharpness and clarity

Market Leading SWaP & Value
- Lightest payload in its class
- Lowest cost with fully integrated features for best value

Integrated Solution
- Viewpoint user interface for improved operator efficiency
- Touchscreen, tablet, airborne downlink video display options available
- Ruggedized hand controller (optional)
- Configurable software to suit mission needs
- Single LRU with onboard GPS/INS for simple integration and installation
- Laser Illuminator option
- Continuous zoom for improved situational awareness, plus Picture-in-Picture supported.
Due to our continued efforts in product improvement, all product specifications are subject to change without notice.

**Daylight Zoom Camera**
- High Definition (HD) 720p
- Continuous Optical Zoom: 27x
- Continuous Digital Zoom: 4x
- HFOV (HD) 42.3° - 1.7°
- Wavelength: 400 to 700 nm (night mode 850 nm)

**Daylight Spotter**
- High Definition (HD) 720p
- Fixed Spotter Lens
- HFOV: 0.9°

**MWIR (Mid-Wave Infrared) Camera**
- High Definition (HD) 720p
- Continuous Optical Zoom: 6.3x
- Continuous Digital Zoom: 4x
- HFOV (HD) 19.1° - 3.0°
- Wavelength: 3 to 5 μm

**Laser Illuminator (optional)**
- (Narrow Beam) ¹
- Class Illb laser ¹
  - 830 nm (NVG band), 150 mW max

**Payload Performance**
- Field of Regard: 360° Pan, +20° to -85° Tilt
- 4-Axis active stabilization
- 3-Axis passive vibration isolation (optional)
- Envelope 150 KIAS, 0-15,000 ft.

**Data & Control Interface**
- RS-232, CAN, Ethernet

**Electrical**
- VIN: 22 - 36 Volts
- Power: 75W (average)
- 125W (max)
- AS6129 compliant

**Environmental**
- Designed to MIL-STD-810G, 461F, 704F
- Operating temperature: -20°C to +50°C
- 20g shock

**Video Out:**
- Digital video: SMPTE 292 (HD-SDI), H.264
- Metadata MISB compatible
  - STD0601, STD0902.1 & STD9716, STANAG 4609, SMPTE 291M/RP214

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For additional information:
**ISR & Space Systems - Airborne**
202 Wasco Loop, Suite 103
Hood River, OR 97031 USA
Ph: +1.541.387.2120
www.cloudcaptech.com

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