



CM202S

Multi-Spectral Ground Imaging System

MWIR

Man Portable

Durable

The CM202S is an expeditionary, purpose-built ground based surveillance and intelligence system, suitable for operation in all climates and environments. The rugged, gyro-stabilized system can be integrated into ground vehicles for on-the-move missions or on fixed-site installations for long range target detection and identification. The system includes a HD daylight sensor, crisp MWIR sensor, and a laser range finder for powerful intelligence, surveillance, target acquisition and reconnaissance.



GROUND SURVEILLANCE

Technical Specifications

GIMBAL CAPABILITIES

| | |
|---------------------------|---|
| Mechanical Axes | 2 (Pan and Tilt) |
| Position Accuracy | 0.0046° (80 µrad) |
| Elevation | +130° / -30° |
| Azimuth | 360° Continuous |
| Slew Rate | 150° / sec |
| Power | Idle 55W / Peak 100W |
| Voltage | 11 - 36V |
| Modes | Rate/ Scene/ Track/ GEO-Lock |
| Communication Link | Ethernet / RS232 Communication Libraries Available |

HARDWARE

| | |
|--------------------|----------------------------------|
| Weight | 12.1lb / 5500g |
| Diameter | 203mm / 8in |
| Height | 320mm / 12.6 |
| Temperature | -10°C to +55°C 14°F to +131°F |
| Environment | IP66 |
| MTBF | > 1000 hours |
| Shock Limit | 20 G |
| Peripherals | 3x GPIO |

VIDEO SPECIFICATIONS

| | |
|-----------------------|--|
| Digital Output | h.264 MPEG2 TS |
| Snapshots | 1280x720 (EO) 640x512 (IR) Stored On Board |
| Standards | MISB (0102.10, 0601.7, 0603.2, 0604.3 & 0903.3) & STANAG (4609) Compliant |

INTERNAL INS / GNSS

| | |
|-------------------------------------|---|
| Horizontal Position Accuracy | 2.0m |
| Vertical Position Accuracy | 3.0m |
| Heading Accuracy | 0.8° |
| Accelerometer Range | Up to 16G |
| Supported | GPS L1 / GLONASS L1 GALILEO E1 / BeiDou L1 |
| Timing Accuracy | 30ns |

INTERNAL VIDEO PROCESSOR FEATURES

| | |
|---------------------------|---|
| Recording on Board | ✓ |
| Encoding | ✓ |
| Object Tracking | ✓ |
| E-Stabilization | ✓ |
| Scene Steering | ✓ |

Configurations

DAYLIGHT (EO)

| | |
|-------------------|--------------------|
| Type | CCD Global Shutter |
| Resolution | 1280 x 720 |
| FoV | 8.8° to 1.2° |
| Zoom | 6 |
| Frame Rate | 25Hz |

THERMAL (IR)

| | |
|-------------------|----------------|
| Type | MWIR |
| Resolution | 640x512 |
| FoV | 28.7° to 1.46° |
| Zoom | 20x Optical |
| Frame Rate | Up to 30Hz |

Contact Us



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