



CM202

Multi Sensor Gyro-Stabilized System

IP66

7.7 lb

MWIR

Low SWaP-C

The CM202 is a rugged, direct-drive, multi sensor imaging system that provides long range detection, recognition and identification. Designed to adapt from one mission to the next, the CM202 offers a flexible solution for integration into lightweight manned aircraft, UAS, ground vehicles and marine vessels.



AIRBORNE • GROUND • MARITIME

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	9 - 36V
Modes	Rate/ Scene/ Track/ GEO-Lock
Communication Link	Ethernet / RS232 Communication Libraries Available

HARDWARE

Weight	7.7lb / 3500g
Diameter	190mm / 7.5in
Height	295mm / 11.6in
Temperature	-10°C to +50°C 14°F to +122°F
Environment	IP66
MTBF	> 1000 hours
Shock Limit	20 G
Peripherals	3x GPIO

VIDEO SPECIFICATIONS

Analogue Output	Composite
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	30ms

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	62.9° to 2.4°
Zoom	30x Optical
Frame Rate	25Hz

THERMAL (IR)

Type	MWIR	LWIR
Resolution	640x512	640x512
FoV	21.74° to 1.69°	17.97° to 5.93°
Zoom	13x Optical	3x Optical
Frame Rate	Up to 30Hz	Up to 30Hz

LASER

Sensor	Laser Range Finder
Range	Up to 5,000m
Wavelength	1.55µm
Class	1

Contact Us



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