



CM262

Multi Sensor Gyro-Stabilized System

Full HD

<26.5 lb

MWIR

LRF

Designed for intelligence, surveillance, target acquisition and reconnaissance at sea, the rugged CM262 multi sensor imaging system provides superior performance in rough water environments. For long range detection and identification, the CM262 has a high definition electro-optical sensor with up to 60x optical zoom and HD MWIR sensor with 20x continuous optical zoom. Optimized for missions on-the-move, the CM262 has an advanced video processor for superior performance at speeds in excess of 45mph.



MARITIME

Technical Specifications

GIMBAL CAPABILITIES

Mechanical Axes	2 (Pan and Tilt)
Position Accuracy	0.0046° (80 µrad)
Elevation	+90° / -10°
Azimuth	360° Continuous
Slew Rate	360° / s max, Acceleration 1500° / s max
Power	40 W (Idle) / 250 W (Peak)
Voltage	11 - 36V
Modes	Rate/ Scene/ Track/ GEO-Lock
Communication Link	RS-232, Ethernet (100Base-TX) Communication Libraries Available

HARDWARE

Weight	26.5lb / 12 kg
Diameter	260mm / 10in
Height	395mm / 15.6 in
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

Digital Output	h.264 MPEG2 TS / (RTP),
Snapshots	1280x720 (EO) 1280x1024 (IR) Stored On Board
Standards	MISB (0102.10, 0601.7, 0603.2, 0604.3 & 0903.3) & STANAG (4609) Compliant

INTERNAL INS

Horizontal Position Accuracy	2.0m
Vertical Position Accuracy	3.0m
Heading Accuracy	0.8°
Accelerometer Range	Up to 16g
Supported Systems	GPS L1 / GLONASS L1 GALILEO E1 / BeiDou B1
Timing Accuracy	25ns

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	9° to 1.1°
Zoom	60x Effective Optical
Frame Rate	25Hz

THERMAL (IR)

Type	MWIR
Resolution	1280 x 1024
FoV	46.2° to 2.4°
Focal Length	15-300mm
Frame Rate	20Hz

LASER

Sensor	Laser Range Finder
Range	Up to 10,000m
Wavelength	1535nm
Class	1

Contact Us



USA and EMEA
Ascent Vision Technologies
+1 406-388-2092
info@ascentvision.com
www.ascentvision.com
Bozeman, Montana, US



APAC
AVT Australia
+61 265 811 994
sales@ascentvision.com.au
www.ascentvision.com
Melbourne, VIC, Australia