



# CM202U

## Battle-Proven Counter UAS System

MWIR

Man Portable

Operator Assist Software

For maximum protection against unpredicted UAS strikes, the CM202U is a battle-proven counter UAS system that provides accurate identification of UAS with HD daylight and crisp MWIR imagery. The CM202U is optimized with Counter UAS Operator Assist (CUAS-OA) software that uses two threat detection algorithms (Moving Threat Detection and Static Threat Detection) that work together to ensure a high probably of detection is achieved.



COUNTER UAS

# Technical Specifications

## GIMBAL CAPABILITIES

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

## HARDWARE

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

## VIDEO SPECIFICATIONS

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

## INTERNAL INS / GNSS

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

## INTERNAL VIDEO PROCESSOR FEATURES

<b>Recording on Board</b>	✓
<b>Encoding</b>	✓
<b>Object Tracking</b>	✓
<b>E-Stabilization</b>	✓
<b>Scene Steering</b>	✓

# Configurations

## DAYLIGHT (EO)

<b>Type</b>	CCD Global Shutter
<b>Resolution</b>	1280 x 720
<b>FoV</b>	8.8° to 1.2°
<b>Zoom</b>	6
<b>Frame Rate</b>	25Hz

## THERMAL (IR)

<b>Type</b>	MWIR
<b>Resolution</b>	640x512
<b>FoV</b>	28.7° to 1.46°
<b>Zoom</b>	20x Optical
<b>Frame Rate</b>	Up to 30Hz

# Contact Us



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