

# CM202U

## DATASHEET

### Counter UAS System

For Ground Operations

IP67

<5.5 Kg

<MWIR

Low SWaP-C



# 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>	55W
<b>Voltage</b>	11 - 36V
<b>Modes</b>	Rate/ Scene/ Track/ GEO-Lock
<b>Communication Link</b>	Ethernet / RS232 Communication Libraries Available

## Internal Video Processor Features

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

## Hardware

<b>Weight</b>	5.5kg
<b>Diameter</b>	203mm
<b>Height</b>	320mm
<b>Temperature</b>	-20°C to +55°C
<b>Environment</b>	IP67
<b>MTBF</b>	> 1000 hours
<b>Shock Limit</b>	20 G
<b>Peripherals</b>	3x GPIO 1x SMA
<b>GPIO Functions</b>	Power Ethernet RS232 AHRS Composite Video

## Video Specifications

<b>Analogue Output</b>	Composite
<b>Digital Output</b>	h.264 MPEG2 TS / (RTP) MPEG4 MPEG2 TS / (RTP)
<b>Snapshots</b>	1280x720 (Stored On Board)
<b>Standards</b>	MISB (0102.10, 06017, 0603.2, 0604.3, and 0903.3) & STANAG (4609 ) Compliant

## Internal INS

<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 Systems</b>	GPS L1 / GLONASS L1 GALILEO E1 / BeiDou L1
<b>Timing Accuracy</b>	30ns

# Standard Configurations

## Electro-Optical (EO)



<b>Type</b>	CCD Global Shutter
<b>Resolution</b>	1280 x 720
<b>FoV</b>	31.4° Wide to 11° Tele
<b>Zoom</b>	30x Optical
<b>Frame Rate</b>	25 Hz



## Infrared (IR)



<b>Sensor</b>	Neutrino
<b>Lens</b>	25-325 mm
<b>Type</b>	MWIR
<b>Resolution</b>	640x512
<b>Zoom</b>	20x Optical
<b>Frame Rate</b>	30 Hz

Other sensor configurations are available. Contact a member of the sales team for more information.

# Detect, Recognise, Identify

	EO	IR
	Detect 13,550 m	7,420 m
	Recognise 7,400 m	2,470 m
	Identify 3,900 m	1,390 m
	Detect 4,900 m	2,040 m
	Recognise 2,100 m	680 m
	Identify 1,040 m	380 m