

## CUSTOMIZABLE MULTI-SENSOR GIMBAL

HD EO, IR, and Laser Sensors allow a fully customized solution for any application

## MWIR SENSOR WITH CONTINUOUS OPTICAL ZOOM LENS

Paired with a Long Range Optical Zoom Lens to get closer to the target

- **Simple hook up – plug and play**
- Low SWaP-C System
- MWIR Sensor with Optical Zoom
- True 80rad Direct Drive Stabilization
- HD Global Shutter CCD Daylight Sensor
- ITAR Free Configurations Available
- Raw Outputs Available



### OBJECT TRACKING

Operator designates an object on the video image and the gimbal keeps the target in the center of the frame throughout platform and object movements.



### GEO-LOCK

Ensures the gimbal automatically steers toward the chosen geographic coordinates as the platform maneuvers without operator input.



### REAL-TIME VIDEO STABILIZATION

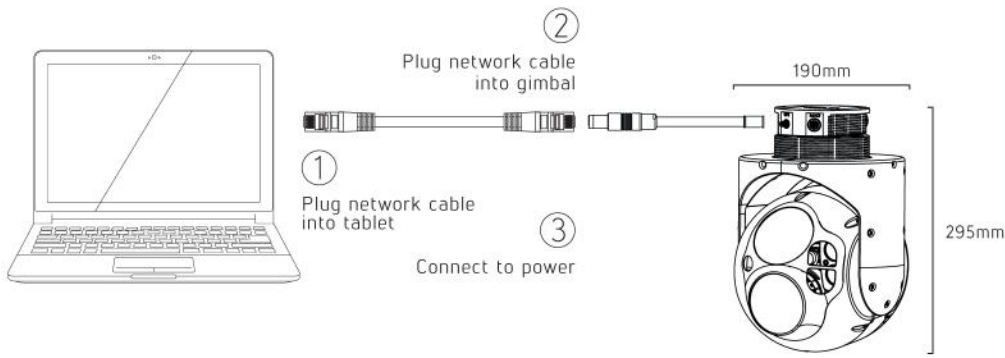
Electronically removes vibrations caused by the platform for a steady image. Ideal for a wide range of UAV and fixed-wing applications in any conditions.



### MOTION DETECTION

Allows operators to follow multiple objects at once by automatically tagging up to five moving objects within the field of view.





## SIMPLE PLUG AND PLAY

The operator may immediately initialize the CM202 by connecting a power and network cable.

### MULTIPLE SENSOR OPTIONS

Choose from a range of EO and IR sensors to suit the mission.

### HD VIDEO

Allows high definition daylight video to be streamed live to the operator.

### DIRECT DRIVE

Allows for a faster response to disturbances keeping the target in the center of the frame.

### ON-BOARD STILL SHOTS

Allows high definition stills to be taken without interrupting video transmission.

### KLV METADATA OVERLAY

Gimbal State - Corners of Frame - Center of Frame - World Coordinates  
UTC Time - Slant Range to Target - Target Coordinates.

### FIELD UPGRADABLE

Allows operators the flexibility to add Object Tracking, KLV Metadata, and GEO-Lock options.

### NTSC AND PAL

Multiple viewing options provide flexibility to switch modulations for world wide compatibility.

### DEDICATED SUPPORT STAFF

One-on-one responses to all sales and technical questions.



Fixed Wing



Aerostats



Rotary Wing

# CM202

## -SYSTEM SPECIFICATIONS-

GIMBAL CAPABILITIES	
POSITION ACCURACY	0.0046° (80μrad)
ELEVATION	+130° / -30°
AZIMUTH	360° continuous
SLEW RATE	150°/sec (2.6rad/s)
POWER	55W
VOLTAGE	9 - 36V
ELECTRONICS	High Speed 32bit
COMMUNICATION LINK	Ethernet / RS232

PHYSICAL DEMENTIONS	
WEIGHT	3kg / 6.6lbs
DIMENSIONS	190mm D x 295mm H (7.4in D x 11.6in H)
TEMPERATURE	-20°C - +55°C

VIDEO SPECIFICATIONS	
ANALOGUE OUTPUT	Composite
DIGITAL OUTPUT	h264 up to 10Mbps (1280 x 720 HD) Stored On Board (1280 x 720 HD)
SNAPSHOTS	(1280 x 720 HD)

## -PAYLOAD SPECIFICATIONS-

SENSOR #1a	EO Daylight
MODEL	DI-SC120R
EFF. PICTURE ELEMENTS	1280 x 720
SD FIELD OF VIEW	44° wide - 15° tele
HD FIELD OF VIEW	62.9° wide - 22° tele
ZOOM RANGE	Continuous Optical
SENSOR #1b	EO Daylight w/ Extender
MODEL	DI-SC120R
EFF. PICTURE ELEMENTS	1280 x 720
SD FIELD OF VIEW	21.4° wide - 0.75° tele
HD FIELD OF VIEW	31.5° wide - 1.1° tele
ZOOM RANGE	Continuous Optical
SENSOR #2	Infrared MWIR
MODEL	Multiple Options
EFF. PICTURE ELEMENTS	640 x 512 pixels
FIELD OF VIEW	21.8° wide - 1.7° tele
ZOOM RANGE	Continuous Optical
SENSOR #3a	Infrared LWIR
MODEL	Tau 2 640
EFF. PICTURE ELEMENTS	640 x 512 pixels
FIELD OF VIEW	Multiple Lenses Available
ZOOM RANGE	Continuous Optical
SENSOR #3b	Infrared SWIR
MODEL	Tau SWIR
EFF. PICTURE ELEMENTS	640 x 512 pixels
FIELD OF VIEW	Multiple Lenses Available
ZOOM RANGE	Continuous Optical
SENSOR #4a	LRF
ZOOM RANGE	Up to 10km (6.2 miles)
SENSOR #4b	Designator
SENSOR #4c	Illuminator
SENSOR #5	Additional Payload Bay Customizable to suit requirements

