

DUAL SENSOR STABILIZED GIMBAL

CM100

OPTICAL ZOOM EO LENS

Zoom in optically, with no pixelation

DUST PROTECTED

IP63 rated, allowing you to operate in adverse weather conditions

- Simple hook up – plug and play
- Export Restriction Free Options
- Proven Reliability
- Low SWaP-C
- On Board Video Stabilization
- MISB 0601 Standards
- Raw Outputs Available
- No Calibration Required
- Product Support 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.



HD STREAMING

Stream and record video and stills in 1280 x 720 resolution straight to a Ground Control Station or another networked device.



CM100

-SYSTEM SPECIFICATIONS-

GIMBAL CAPABILITIES	
POSITION ACCURACY	0.022° (380µrad)
ELEVATION	±115°
AZIMUTH	360° continuous
SLEW RATE	105°/sec (1.83rad/s)
POWER	12W
VOLTAGE	9 - 36V
ELECTRONICS	High Speed 32bit
COMMUNICATION LINK	Ethernet / RS232

PHYSICAL DIMENSIONS

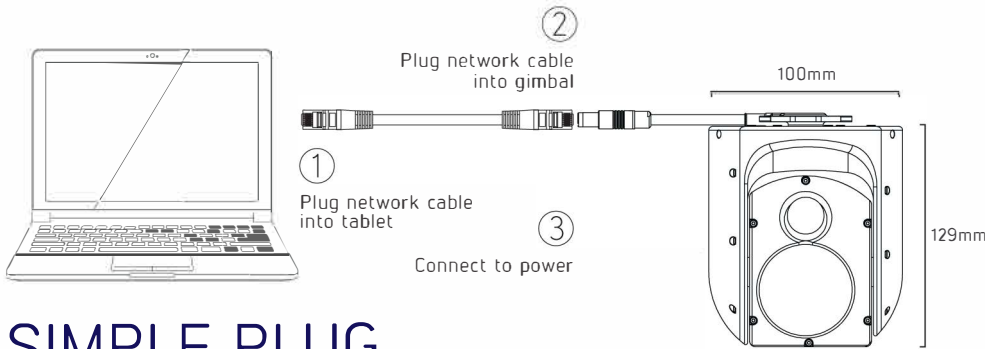
WEIGHT	800g / 1.8lbs
DIMENSIONS	100mm x 129mm / 3.9" x 5"
TEMPERATURE	-20°C - +50°C

VIDEO SPECIFICATIONS

ANALOGUE OUTPUT	Composite
DIGITAL OUTPUT	.h264 up to 10 Mbs
	1280 x 720 HD
SNAPSHOTS	Stored on Board
	1280 x 720 HD

-PAYLOAD SPECIFICATIONS-

SENSOR #1	HD Daylight Camera
	Zoom Lens
MODEL	DI-SC120R
SENSOR RESOLUTION	1280 x 720
SD FIELD OF VIEW	44° wide - 1.5° tele
HD FIELD OF VIEW	62.9° wide - 2.2° tele
ZOOM RANGE	30x Optical 4.4 - 132mm
F-VALUE	F1.4 - F4.8
SENSOR #2	640 Uncooled IR Sensor
	Digital Zoom
MODEL	Quark 640 FLIR
LENS SIZE	Up to 25mm
RESOLUTION	640 x 480
PIXEL PITCH	17µm
FRAME RATE	9 - 50fps
SENSOR #3	Laser
TYPE	Illuminator or Pointer



SIMPLE PLUG AND PLAY

The operator may immediately initialize the CM100 by connecting a power and network cable.

PROVEN RELIABILITY

Worldwide sales and six years of thorough testing demonstrates consistent reliability and performance.

LOW POWER CONSUMPTION

The size and weight of the CM100 allows longer flight times by saving valuable battery power.

OPTICAL ZOOM EO LENS

Zoom in and observe objects in greater detail with higher clarity using the Optical Zoom Lens.

IP RATING

The IP63 rating enables operations in adverse weather conditions.

KLV METADATA OVERLAY

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

MULTIPLE SENSOR OPTIONS

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

NTSC AND PAL

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

DEDICATED SUPPORT STAFF

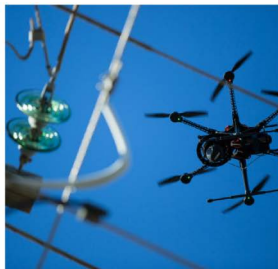
One-on-one responses to all sales and technical questions.



UAV Crop Monitoring



Aerostat Surveillance



UAV Powerline Inspection

