

CM62

Long-endurance, lightweight EO/IR imaging



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The highest performance for the lowest size, weight, and power

Designed for integration into small unmanned aerial systems (sUAS), the CM62 Micro Gimbal is an innovative multi-sensor gyro-stabilized imaging system technology for intelligence, surveillance, and reconnaissance (ISR) operations.

Combining high-resolution electro-optical (EO) capability with 50x zoom, and longwave infrared (LWIR) with digital zoom, the CM62 delivers long-range intelligence — day and night. With onboard video processing, and a compact total system weight of just over half a pound, the CM62 keeps payload weight low to enable longer flight duration.

The CM62 Micro Gimbal represents the latest technology in lightweight imaging, combining EO and LWIR imagery in a compact 0.57 lb package. Onboard video processing features include object tracking, scene tracking, roll stabilization, e-stabilization, multisensor streaming, encoding, and GEO-Lock. This ensures the operator is equipped with the necessary capabilities without needing additional payloads. The Micro Gimbal includes the latest H.265 video encoding capability for improved data compression, and features an IP67 rating for greater flexibility.

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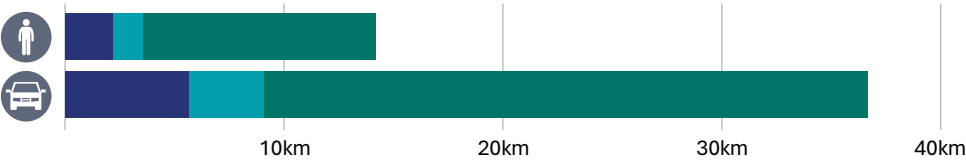
DRI Performance

Payload performance*

 **Human Size**
1.7m x .5m

 **Vehicle Size**
2.3m x 2.3m

Daylight (EO)



Long-Wave Infrared (LWIR)



 **DETECT**  **RECOGNIZE**  **IDENTIFY**

EO Performance			LWIR Performance		
	Human	Vehicle	Human	Vehicle	
DETECT	14.2 km	36.6 km	500 m	1285 m	
RECOGNIZE	3.6 km	9.1 km	125 m	321 m	
IDENTIFY	2.2 km	5.7 km	78 m	201 m	

**All values are calculated based on the Johnson Criteria using a simplified analysis in ideal conditions. Actual range performance may vary.*

Benefits

- Optimized for on-the-move missions, the CM262 offers enhanced stabilization technology that reduces platform movements and improves video experience.
- Adaptable to various missions such as perimeter surveillance, on-the-move ISR, and border protection

Features

- Detect: An object is present (2 pixels on target)
- Recognize: The type of object can be discerned (8 pixels on target)
- Identify: A specific object can be discerned (12.8 pixels on target)
- Total weight just 0.57 lb
- EO with 50x zoom
- LWIR with digital zoom
- On-board video processing
- IP67 rating