

CM62 Micro Gimbal

Long-endurance, lightweight EO/IR imaging



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 long-wave infrared (LWIR) with digital zoom, the CM62 delivers long-range intelligence – day and night. With on-board 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.

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For more information about our
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Features

- Total weight just 0.57 lb
- EO with 50x zoom
- LWIR with digital zoom
- On-board video processing
- IP67 rating



Benefits

- Combines high-resolution imaging with a lightweight payload, delivering the highest quality imagery for longer distances day or night
- Well-suited for missions ranging from tactical ISR and target acquisition, to force protection, security, and search and rescue

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)

-  Human Size
1.7m x .5m
-  Vehicle Size
2.3m x 2.3m

The CM62 Micro Gimbal represents the latest technology in lightweight imaging, combining EO and LWIR imagery in a compact 0.57 lb package.

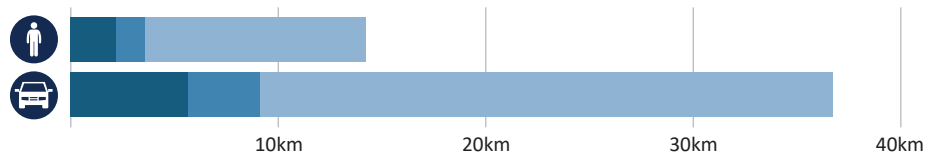


On-board video processing features include object tracking, scene tracking, roll stabilization, e-stabilization, multi-sensor streaming, encoding, and GEO-Lock. This ensures the operator is equipped with the necessary capabilities without needing additional payloads. The Micro Gimbal includes the latest H.265 video encoding capability for improved data compression, and features an IP67 rating for greater flexibility in deployment and operation.

DRI Performance

Payload Performance*

Daylight (EO)



Long-Wave Infrared (LWIR)



EO Performance

	Human	Vehicle
DETECT	14.2 km	36.6 km
RECOGNIZE	3.6 km	9.1 km
IDENTIFY	2.2 km	5.7 km

LWIR Performance

	Human	Vehicle
DETECT	500 m	1285 m
RECOGNIZE	125 m	321 m
IDENTIFY	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.

This material consists of CACI International Inc general capabilities information that does not contain controlled technical data as defined within the International Traffic in Arms Regulations (ITAR), Part 120.10, or Export Administration Regulations (EAR), Part 734.7-10. (PRR ID550)



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