

CM41

Purpose built, lightweight EO imaging



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Designed for integration into small-unmanned aerial systems (sUAS), the CM41 is an innovative electro-optic sensor stabilized imaging system technology.

The CM41 incorporates full high-definition (FHD) electro-optical (EO) sensors with 18x zoom and tilt capability. Combined with internal stabilization, object detection and recognition, and onboard video processing, the CM41 delivers a compact, lightweight system for intelligence, surveillance, and reconnaissance (ISR) operations.

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Features

- On-board video processing.
- On-board object detection and recognition.
- H.264 and H.265 encoding.
- Compatible with MAVLink.
- E-stabilization.
- Roll stabilization.
- User-friendly command and control.
- Cost effective.
- ITAR free.
- 18x zoom FHD EO sensors.

Benefits

- At a total weight of 0.35 lbs, combines high-resolution imaging with a lightweight payload for longer sUAS flight duration.
- User-friendly command and control interface enables operators to easily collect reliable intelligence.
- H.264 and H.265 encoding produce high-quality outputs while requiring less processing power, bandwidth, and storage space.
- MAVLink compatibility empowers users to tailor the setup to their specific needs.

The CM41 is a cutting-edge technology in lightweight imaging systems. Operators can gather accurate information with the on-board video processing features, including object detection and recognition, e-stabilization, roll stabilization, and video encoding and recording. The FHD EO imaging technology is a fixed pan system with tilt capability and includes the latest H.264 and H.265 video encoding capabilities, allowing for easier video storage, and streaming. Weighing only 0.35lb, the CM41 is purpose built for sUAS and is an ideal sensor for ISR operations. The CM41 is ITAR free and accessible for international distribution and use, allowing greater deployment flexibility.

CM41 SPECIFICATIONS

Configuration

Weight	160g/0.35lb
Ball diameter	48mm/1.9in
Length	114mm/4.5in
Elevation	-66°/-180° from horizontal
Resolution	1080p, 720p, 640x480
HFoV	56° – 3.36°
Frame rate	30Hz