



CM3 MR

MEDIUM-RANGE COMPACT MILITARY 3-SENSOR SIGHT

- Uncooled thermal, day & LRF sensors in a single unit
- Advanced image processing functions
- Available with large format detector
- Affordable integrated solution for direct firing (RCWS, AFV, howitzers)

CM3 MR

Medium-range compact military 3-sensor sight

Thanks to its uncooled thermal channel, CM3 MR provides an affordable, silent and reliable solution for land and naval applications, either as original equipment or retrofit.

CM3 MR is designed for remote weapon stations, direct fire for Armored Fighting Vehicles and howitzers, as well as medium-range observation systems. It is available with a 640x480 or a 384x288 matrix micro-bolometer detector.

CM3 family

Fully qualified according to the most stringent military standards, the CM3 sights combine color day and thermal imaging along with a laser range finder in a single compact unit, providing a low optical signature.

Based on a common single electrical/software interface, they are easy to integrate and interchangeable. Their proprietary and patented motionless color day zoom results in a superior line-of-sight stability and firing accuracy, as well as quick, precise and reliable zooming. Thanks to the digital day and thermal image fusion, the operator gets all available information on both channels simultaneously, while digital image stabilization enables on-the-move observation.



- Dual FOV (thermal) & continuous zoom (day) with unique benefits

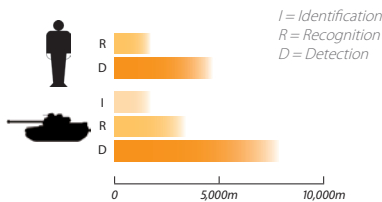
- Built-in image stabilization & day/thermal fusion

- Available with large-format detector

- Affordable solution

- Selected & qualified for various Army's vehicles

CM3 MR ranges



Technical specifications

Physical

- Weight: $\leq 8.8\text{kg}$
- Dimensions: 253 x 250 x 210 mm
- Operates silently

Thermal channel

- Waveband: 8 to 12 μm (uncooled)
- Fields of view (H): 13.6° & 4.5° (640x480)
12° & 4° (384x288)
- NETD: $\leq 50\text{mK}$ at ambient temperature (with image processing)

Visible color channel

- Continuous motionless zoom from 2.4° to 12° (2.4° to 40° optional)

Laser Range Finder

- Wavelength: 1.54 μm , full eye-safe (class1)
- Typical range: $> 5\text{km}$

Electrical

- Power supply: external 18 to 32V, (MIL-STD 1275B)
- Consumption: 30W
- Video output: CCIR/PAL
- Remote control: RS422

Environmental

- Climatic: -33°C to +60°C
- Qualified according to MIL-STD 810 & MIL-STD 461

Processing functions

- Continuous e-zoom up to x8
- Noise reduction
- Day/night image fusion
- Image stabilization
- Optional embedded ballistic computer

Accessories

- Remote monitor & control panel

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