

# CM3 LR

## LONG-RANGE COMPACT MILITARY 3-SENSOR SIGHT



- > COOLED THERMAL, DAY & LRF SENSORS IN A SINGLE UNIT
- > ADVANCED IMAGE PROCESSING FUNCTIONS
- > IMPROVED AWARENESS & ENGAGEMENT RANGE
- > HIGH-PERFORMANCE INTEGRATED SOLUTION FOR DIRECT FIRING (RCWS, AFV, HOWITZERS)



# CM3 LR

## Long-range compact military 3-sensor sight

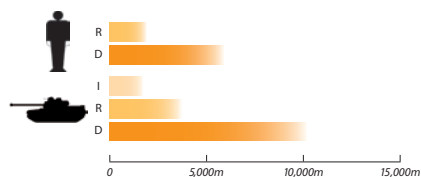


Thanks to its cooled thermal channel, CM3 LR is a lightweight high-performance integrated solution for advanced land & naval applications, either as original equipment or retrofit.

CM3 LR is designed for remote weapon stations, direct fire for Armored Fighting Vehicles and howitzers, as well as compact observation systems.



### CM3 LR ranges



I = Identification  
R = Recognition  
D = Detection

### 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.

- Cooled thermal & high-performance
- Selected & qualified on land & naval RCWS & howitzers
- Dual FOV (thermal)
- Continuous zoom (day)
- Built-in image stabilization & day/thermal fusion

### Technical specifications

#### Physical

- Weight: ≤ 6kg
- Dimensions: 248 x 226 x 151 mm

#### Optronics

##### Thermal channel

- Waveband: 3 to 5µm (cooled)
- Fields of view (H): 9° & 3°
- NETD: ≤ 25mK 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: 1.54µm, full eye-safe (class 1)
- Typical range: > 5km

#### Electrical

- Power supply: external 18 to 32V (MIL-STD 1275B)
- Consumption: 30W after cooling down
- 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
- Edge enhancement
- Noise reduction
- Day/night image fusion
- Image stabilization
- Optional embedded ballistic computer

#### Accessories

- Remote monitor & control panel

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