



JIM MR

***Medium-Range
Multifunction
Binoculars***

- Handheld & self-powered
- For infantry squad leaders & security applications
- All key functions in a lightweight package



Sagem Défense Sécurité
SAFRAN Group



JIM MR

Medium-Range Multifunction Binoculars

The JIM MR are a compact multi-function infrared binoculars combining all the necessary functions of modern warfare in one single unit, namely night imaging, range finding and a Digital Magnetic Compass.

The JIM binoculars family are designed for military applications and are fully qualified according to the most stringent standards.

They are the key to any large-scale infantry modernization program. As part of the France's future soldier program FELIN, they are produced in the thousands, ensuring high quality, reliability and cost-efficiency over the life cycle.



JIM MR has been developed to meet the needs of squad leaders and security applications.

The JIM MR is equipped with the latest interfaces to enable collaborative combat, with mutual target acquisition and designation.

With its uncooled thermal technology providing highly reliable day and night imaging, combined with its laser-diode LRF and Digital Magnetic Compass, the JIM MR provides all the functions that are vital on the battlefield at an affordable price. In addition, it weighs a mere 2kg.

Thanks to the combined expertise of Sagem DS and its subsidiary Vectronix AG Switzerland (formerly LEICA DSP), all the critical technologies in the JIM MR are mastered in-house.

Furthermore, all JIM binoculars share common hardware and software modules, which greatly simplifies training and logistics.



Technical characteristics

Physical

- Weight (without battery) < 2kg
- No acoustic noise

Optronics

Thermal channel

- Waveband: 8 to 12µm (uncooled)
- Fields of view: WFOV 8° x 6°
electronic zoom x2
- NETD < 100mK (at ambient temperature)
- Range performances (Nato tank target)
 - Detection ≥ 3.5km, (typical)
 - Recognition ≥ 1km, (typical)

Laser Range Finder

- Wavelength: 1.54µm, fully eye-safe (class 1 EN 60825-1)
- Typical range ≥ 2.5km

Localization

Digital Magnetic Compass (DMC):

- Azimuth range: 360°
- Elevation range: ± 30° to ± 45°

Electrical

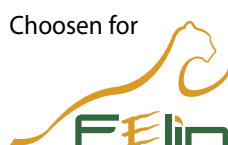
- Power supply: battery packs (primary or rechargeable) or external
- Video output: CCIR (RS170 option)
- Digital I/O: FireWire (video + control)
- Autonomy: ≥ 3 hours (at ambient temperature with rechargeable battery)

Environmental

- Climatic: -32°C to +55°C
- Qualified according to MIL-STD 810 & MIL-STD 461

Accessories

- Tactical bag
- Battery charger



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