

JIM LR

LONG-RANGE MULTIFUNCTION
COOLED INFRARED BINOCULARS



- > 3 VERSIONS: JIM LR, JIM LOCATE, JIM OBSERVE
- > HANDHELD & SELF-POWERED
- > ADVANCED COMMUNICATION CAPABILITIES
- > OBSERVATION AND TARGET LOCATION
- > FOR MILITARY AND SECURITY APPLICATIONS



JIM LR

Long-range multifunction cooled infrared binoculars

With its intuitive and user-friendly man-machine interface, the JIM LR family of multifunction binoculars provides forces with enhanced operational capabilities for collaborative combat: threat detection, target acquisition and intelligence-gathering for the command and contact units.

Compact and ergonomic, JIM LR binoculars are intended for military and security applications used by infantry platoons, special forces, forward observers, coastal and border surveillance, etc.

Tailored to meet the different operational needs, the JIM LR binoculars family is available in 3 versions:

	Visible color channel	Thermal imager	Laser Range Finder	GPS	Digital Magnetic Compass	Laser pointer
JIM LR	✓	✓	✓	✓	✓	✓
JIM Locate	✓	✓	✓	✓	✓	
JIM Observe	✓	✓				

Accessories

Tactical bag, battery charger, power supply adaptor, interface cables, tripod, portable monitor, logistic container and Remote Operating System (ROS).



Based on identical interfaces (batteries, connectors, accessories, etc.), the binoculars are interoperable with various systems and equipment (monitors, computers, etc.).

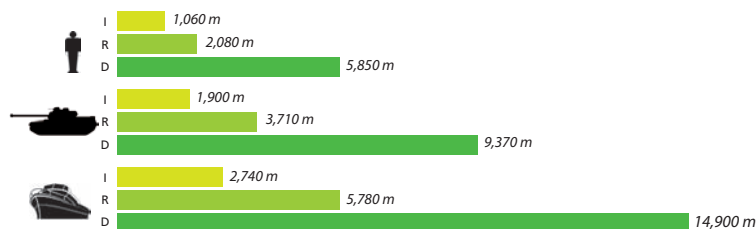
Thanks to the thermal and day image fusion option, JIM LR binoculars improve target detection capacity during observation phases.

Mass produced, they ensure high quality, reliability and cost efficiency.



- More than 4,500 JIM LR already ordered
- Compact & ruggedized
- Reliable & user-friendly
- Image fusion
- Photo & video recording via USB

Typical ranges



I = Identification
R = Recognition
D = Detection



Technical specifications

Physical

- JIM LR/JIM Locate weight : < 2.8 kg without battery
- JIM Observe weight : < 2.5 kg without battery

Observation

Thermal imager

- Waveband: 3 to 5µm (cooled)
- NFOV: 3° x 2.25°
- WFOV: 9° x 6.75°

Visible color channel

- FOV: 3° x 2.25°

Image processing & storage

- Stabilization
- Digital zoom
- Image fusion (option)
- Photo & video recording (internal & USB)

Localization

Laser Range Finder

- 1.54 µm, eye-safe
- Range: from 10 m up to 10 km

Digital Magnetic Compass

- Azimuth range: 360°
- Elevation range: ± 40°

Global Positioning System

- Internal C/A type
- Accuracy: up to 3m CEP (typical data)
- Connection with external GPS

Pointing

Laser pointer

- 0.8 µm, eye-safe

Interfaces

- Analog and digital I/O
- Power supply: rechargeable battery or external
- Autonomy: ≥ 4 hours

Environmental

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