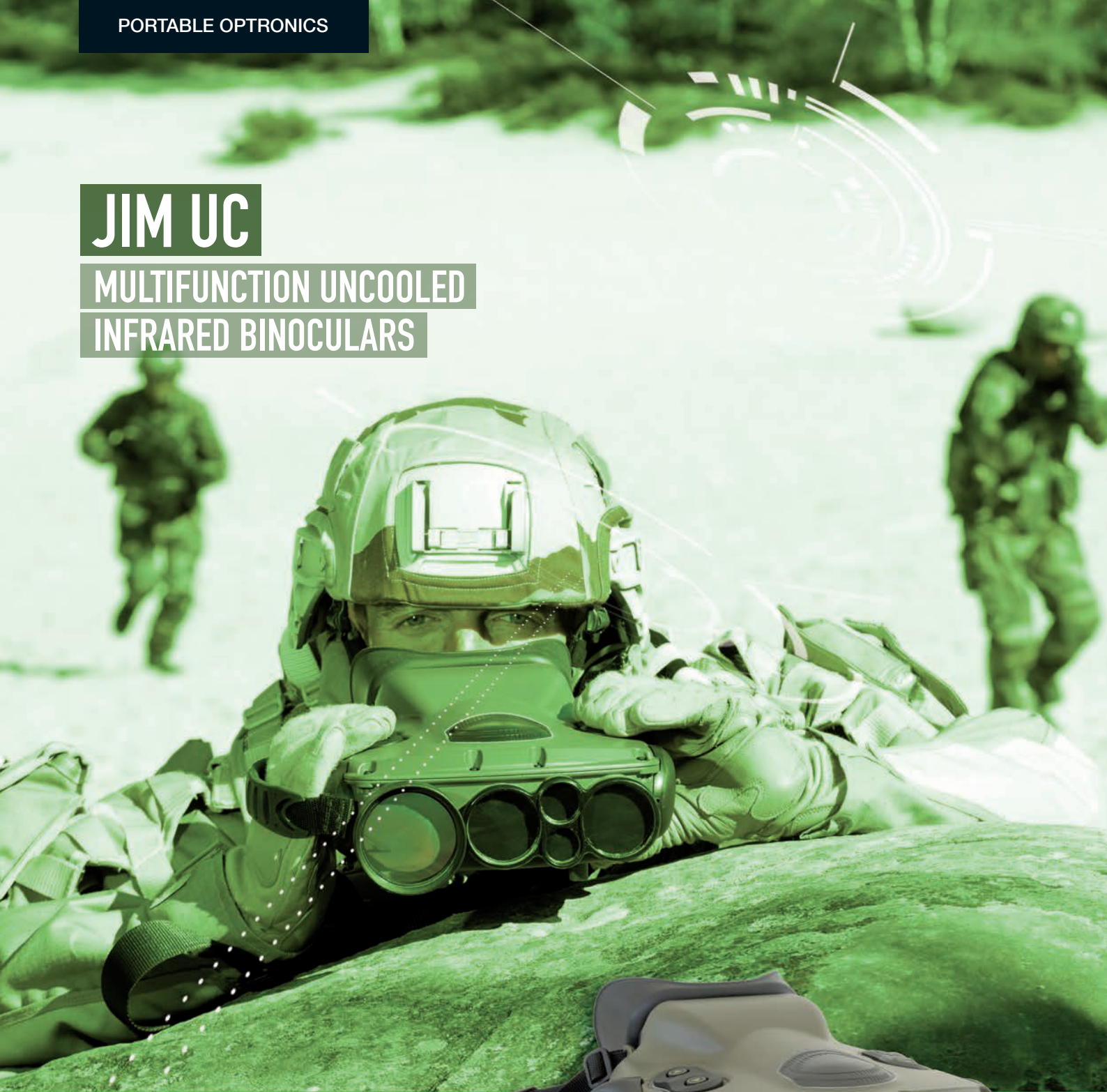


JIM UC

MULTIFUNCTION UNCOOLED INFRARED BINOCULARS



- > HANDHELD & SELF-POWERED
- > ADVANCED COMMUNICATION CAPABILITIES
- > OBSERVATION AND TARGET LOCATION
- > FOR MILITARY AND SECURITY APPLICATIONS



JIM UC

Multifunction uncooled infrared binoculars

Featuring day and thermal imaging, a Laser Range Finder, a Digital Magnetic Compass, a GPS and a laser pointer, the JIM UC binoculars provide high-precision target detection, acquisition and pointing.

Based on the same interfaces as the JIM LR family (batteries, connectors, accessories, etc.), JIM UC combines instantaneous operational capacity, silent operation and extended autonomy.

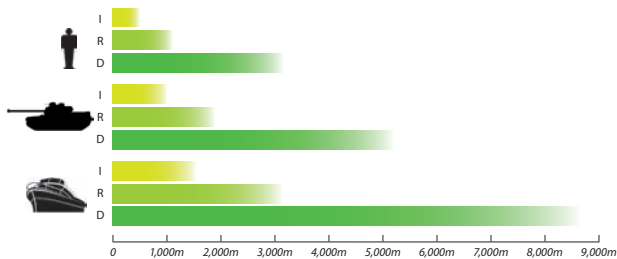
JIM UC is particularly suited to military and security operations: infantry section and special forces' missions, intelligence-gathering for the contact units, infrastructure and border surveillance, etc.

Thanks to its thermal and day image fusion option, JIM UC improves target detection capacity during observation phases.

Integrated photo and video recording enables the further processing of images and associated data (range finding, target positions).



JIM UC ranges



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

	Visible color channel	Thermal imager	Laser Range Finder	GPS	Digital Magnetic Compass	Laser pointer
JIM UC	✓	✓	✓	✓	✓	✓
JIM Protector	✓	✓	✓	✓	✓	
JIM Sentinel	✓	✓				

Accessories

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



- Compact & ruggedized
- Noiseless
- Extended autonomy
- Reliable & user-friendly
- Photo & video recording via USB

I = Identification

R = Recognition

D = Detection



Technical specifications

Physical

- Weight: < 2.3 kg without battery

Observation

Thermal Imager

- Waveband: 8 to 14 μm (uncooled)
- Detector: 640 x 480 pixels
- FOV: 8.6° x 6.45° and 3° x 2.25° (digital zoom)

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 10m up to 10km

Digital Magnetic Compass

- Azimuth range: 360°
- Elevation range: $\pm 40^\circ$

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: external, or rechargeable battery
- Autonomy: ≥ 5 hours with rechargeable battery

Environmental

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