ELECTRONICS & DEFENSE

JIM COMPACT

Lightweight multifunctional long-range infrared binoculars

SAFRAN

JIM Compact

LIGHTWEIGHT. LONG-RANGE. SMART & TAILORED ACCESSORIES. READY FOR SYSTEM INTEGRATION.

As successor to the best-selling JIM LR, JIM Compact offers even more advanced capabilities at a weight of less than 2 kg, providing users with the best performance-to-weight ratio of any device in its class.

Intuitive, durable and modular, JIM Compact gives land and special operations forces everything they need to enhance their situational awareness at any time.

Target and locate objects within seconds with the best target acquisition system in its class.

Exceptional situational awareness in all lighting conditions.

When combined with STERNA TNF, JIM Compact delivers a CAT I target location error at more than 4 km.

3 COMPLEMENTARY OBSERVATION CHANNELS FOR ENHANCED SITUATION AWARENESS

THERMAL COOLED IMAGER

The cooled IR sensor (640 × 480 VGA) provides a continuous hybrid zoom up to ×28. The IR channel is usable 24/7 day and night in all weather conditions for observation and identification purpose.

COLOR DAY

The HDTV sensor resolution (14 Mpix) provides a dual field of view with continuous digital zoom up to ×28 (NFOV ×4) enabling you to assess situations with your own eyes, independently of digital systems. The HDTV channel is especially suitable for observation and identification purpose during day.

LOW LIGHT CAMERA

The LLL CMOS sensor (1280 × 1024 SXGA) improves detection and identification in twilight and weak light conditions. The LLL channel can also be used for near IR and 1064 nm laser spotting.

Operators can also benefit from extended observation and unmask (decamouflage) capabilities thanks to channels fusion modes (DAY/TI or LLL/TI). Using fusion between the Thermal and Low Light Level channels allows a 24/7 ability to see spot in any environment.

LOW WEIGHT

- Impressive performance to weight ratio
- Weight incl. batteries less than 2 kg

VERSATILE VIEW MODES

- HDTV channel for positive identification
- Thermal image with wide field of view for detection and situational awareness by day and night
- Low light sensor for reliable detection in poor light conditions

MISSION PACKAGES

- Customized packages for the individual needs of all user groups (Sniping, Artillery, Close Air Support)
- Continuous development and expansion of the offering

USER-FRIENDLINESS

- Detailed customization
- Intuitive, efficient user interface
- One shortcut button per feature
- Touchpad for menu
- Ergonomic design

OUTSTANDING CONNECTIVITY

- Top C4I-capability
- Meets NATO requirements for interconnectivity
- Multiple interfaces incl. USB, Wifi, Bluetooth and Ethernet for data exchange with other devices

VIDEO/AUDIO PROCESSING

- High level image processing: fusion mode, decamouflage, split screen and antiblooming
- High quality options for audio and video recording and processing (e.g. streaming) in real time

LASER RANGE FINDER

- Outstanding performance in the toughest environmental conditions
- Ranges of up to 12 000 m

LASER POINTER

- Laser pointer class 3B or optional class 1
- Invisible
- Continuous
- Mark and handover targets up to 2 500 m

MODULAR GNSS, NORTH FINDING

- Highly accurate and reliable magnetic compass for North finding, angle and inclination measurement, for a minimal weight and low power consumption
- Internal C/A commercial GNSS or external military GPS (PLGR/DAGR)

OPTIMIZED POWER CONCEPT

- Rechargeable SMBUS Li-On batteries
- External power supply utilizable for charging the internal battery
- Advanced Light Charger (ALC) for power bank and battery charger, with USB power cable
- Available primary cells pack AA L91

STANDARD INTERFACES

- REST API easy and smooth integration into higher-level systems available by LAN or WIFI
- Live video streaming o Ethernet (RTP/RTSP) and wifi
- Bluetooth (target & picture data, Kestrel®)

TARGETING APPLICATIONS

- Accurate target location TLE CAT I (CE90) in combination with STERNA, even in GNSS denied/spoofing areas
- Seespot kit capability combined with Laser Target Designators allowing observation and targeting by only one operator

JIM COMPACT

OBSERVER EDITION

- Weight <2 kg, including battery hand & neck strap
- Battery–Delivered with User Guide, Quick Reference Guide, Cleaning kit, Laser filter removal tool, 2 batteries Li Ion packed into an external pouch (MOLLE compatible)

MISSION + FEATURES

- Mission Packages: Sniping, Artillery, Close Air Support, Fire Support
- Software options: GNSS denied, enhanced TLE, ballistic calculator connectivity
- Accessories: extended TI range, day and night seespot, Sterna true north finder

ACCESSORIES

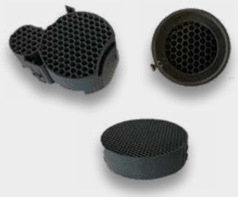
TRANSPORTATION CASE

ADVANCED LIGHT CHARGER ×2 BATTERIES

Power converter, Power Bank, Charger

SET OF 3 KILL FLASHES

TV/LLL,TI afocal and casing



PRIMARY CELLS PACK

×12 AA L91

PICATINNY RAIL

Mounted on top

AFOCAL ×2.5 FOR TI

SEE SPOT KIT

Day Seespot filter & SW option

PREMIUM TRIPODS

Specially developed for the high demands of our customers, we offer a broad range of tripods – optimized for weight and specific functions.

STERNA TNF

Non-magnetic True North Finder

Offers highly accurate true North thanks to embedded HRG technology and improves the TLE CAT 1 range even in GPS-denied areas. Removable & quick mount STERNA interface.

ROS3

Remote Operating System

Provides wired and wireless solution for the remote operation of JIM Compact. Optional kits available to provide extended capabilities.

Cable set available for system integration or legacy device connection.

TI = Thermal Imager
TLE = Target Locator Error
GNSS = Global Navigation Satellite Systems

ADDITIONAL INFORMATION

On our website, you will find extensive additional information, downloads, films, and a direct point of contact for a product demonstration.

Visit **www.safran-group.com**

TECHNICAL SPECIFICATIONS

COOLED THERMAL CHANNEL (MWIR)

WFoV – NFoV	14.4° – 4.5°
Sensor resolution	640×480 VGA
Cooldown time	<3 min

COLOR DAY CHANNEL

WFoV – NFoV	13.5° – 4.5°
Sensor resolution	14 Megapixels

LOW LIGHT LEVEL CHANNEL

WFoV – NFoV	6.3° – 4.5°
Sensor resolution	1280×1024 SXGA
Display Size	10.1"

OTHER FEATURES

- Eye safe laser rangefinder up to 12 km
- DMC, inclinometers
- Embedded C/A GPS
- 3B Laser Pointer (optional Class 1)
- Picture/Video/Audio recording

ADVANCED IMAGE PROCESSING

- Continuous eZoom ×1 – ×4
- Image stabilization
- Multi Mode Image Fusion
- Seespot capability

POWER

- Rechargeable COTS battery
- Autonomy ≥4h Depending on mission profile
- ×12 AA L91 battery pack
- Autonomy ≥6h Depending on mission profile
- External power supply (ALC, BB2590, ...)

INTERFACES

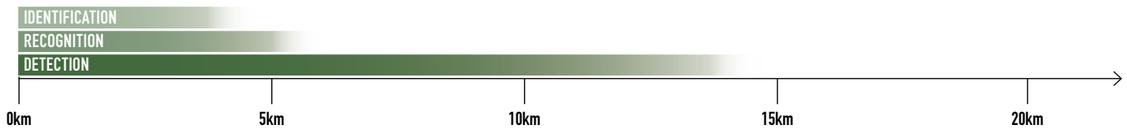
- Video output: RTP/RTSP, GigEvision, PAL/NTSC analog
- Remote control: Ethernet Rest API or internal Webserver
- DAGR/PLGR RS432
- USB: transfer of pictures/videos
- Bluetooth/WiFi (option)

ENVIRONMENTAL

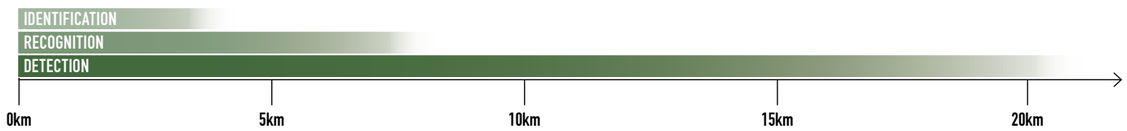
- MIL-STD 810 & MIL-STD 461
- IP67

DAY/THERMAL RANGES (NATO TANK TARGETING CAPABILITY)

DAY / LLL



THERMAL CHANNEL (+ AFOCAL)



Please refer to the product technical datasheet for additional specifications.

POWERED BY TRUST

Safran Electronics & Defense
55 Boulevard Charles de Gaulles, 92240 Malakoff, FRANCE
Tel: 01 55 60 38 00, Mail: contact-defense@safrangroup.com
www.safran-group.com