

ViewIR® 70 LX

Lightweight Binocular Mid-Range Thermal Imaging System



- 1) ViewIR® 70 LX in use
- 2) Aerodrome surveillance
- 3) Hunter

INFRA^TEC.

Europe's leading specialist for infrared sensors and measurement technology

- Rugged design, low weight, low noise level
- Uncooled microbolometer detector with (800 × 600) IR pixels
- Binocular OLED viewfinder, light intensive 70 mm lens
- Human detection range up to 3.6 km
- Vehicle detection range up to 7.2 km and higher
- Dustproof and waterproof body, protection class IP67
- Internal snapshot and video storage
- Frame rate up to 25 Hz



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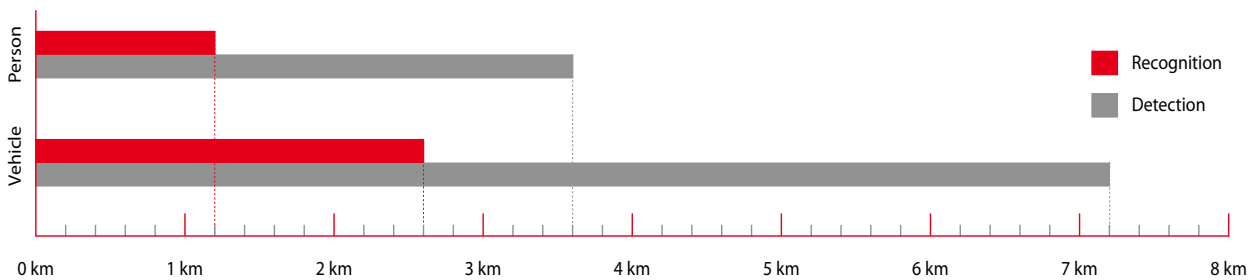
NEW



Spectral range	(8 ... 14) μm
Pitch	17 μm
Detector	Uncooled microbolometer focal-plane array
Detector format (IR pixels)	(800 \times 600)
Temperature resolution @ 30 $^{\circ}\text{C}$	Better than 0.08 K
IR-frame rate	25 Hz
Storage media	16 GB SD card
Lens focal length	70 mm
Max. detection range (vehicle/person)	Up to 7.2 km / up to 3.6 km
Max. recognition range (vehicle/person)	Up to 2.6 km / up to 1.2 km
Field of view	(11.1 \times 8.33) $^{\circ}$
Zoom	2 \times
Dynamic range	12 bit
Interfaces	External power supply 12 V DC, PAL, USB
Power supply	Lithium high-capacity battery, up to 4 hours without battery change; power supply (100 ... 240) V AC / 15 V DC (2 A)
Colour viewfinder	(1,280 \times 1,024) OLED
Operation temperature	(-40 ... 60) $^{\circ}\text{C}$
Protection degree	IP67
Dimensions; weight	(210 \times 170 \times 100) mm; 1.5 kg
Further functions	Remote control



The newly developed **ViewIR[®] 70 LX binocular thermal imaging system** by InfraTec with its uncooled microbolometer detector with (800 \times 600) IR pixels provides an outstanding geometrical resolution. Users can observe large areas and perform a wide range of sovereign tasks. Due to its small dimensions the infrared imager lies comfortably in the hand and is **ready for use within only 20 seconds**. At the same time, ViewIR[®] 70 LX impresses with its range capabilities. It allows a **human detection up to 3.6 km** and a **vehicle detection up to 7.2 km**. Its high performance goes hand in hand with excellent image quality. Supported by a sensitive motor focus and the individually adjustable eyepieces of the binocular OLED viewfinder, users can capture observation situations within a very short time. Thanks to **automatic or manual brightness and contrast adjustment**, all details are precisely visible in the displayed image. The evaluation can also be carried out simultaneously on the screen by remote control.



Standard Accessories

- Transport bag
- Two pieces of high capacity Li-Ion rechargeable batteries
- Instant charger
- Plug in main supply (100 ... 240) V AC / 15 V DC (2A)
- Multi-connector cable (video interface (cinch)), USB
- User manual and brief operating instructions

Users and Fields of Application

- Rescue services
- Site protection, surveillance and reconnaissance
- SAR missions, mountain rescue service
- Civil defense and disaster relief organisation
- Police
- Border Police, Customs
- Protection of the Constitution
- Technical Aid Organisation, Security services

Headquarters

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