ViewIR® 70 LX
Lightweight Binocular Mid-Range Thermal Imaging System

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

www.InfraTec.eu
www.InfraTec-infrared.com

1) ViewIR® 70 LX in use
2) Aerodrome surveillance
3) Hunter
The newly developed ViewIR® 70 LX binocular thermal imaging system by InfraTec with its uncooled microbolometer detector with (800 × 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

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**Spectral range**
(8 … 14) µm

**Pitch**
17 µm

**Detector**
Uncooled microbolometer focal-plane array

**Detector format (IR pixels)**
(800 × 600)

**Temperature resolution @ 30 °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 × 8.33)°

**Zoom**
2x

**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 (2A)

**Colour viewfinder**
(1,280 × 1,024) OLED

**Operation temperature**
(-40 … 60) °C

**Protection degree**
IP67

**Dimensions; weight**
(210 × 170 × 100) mm; 1.5 kg

**Further functions**
Remote control