

FusionSight®

Night & day vision enhancer

Key features

- Fully Digital, all-in-one device with 3 viewing modes: color low light, thermal, smart fusion
- Night and day detection, recognition, Identification, up to 3 km
- Image recording
- HD video output
- Wireless up and down communication
- GPS and Inertial Measuring Unit (IMU) allowing accurate localization



FusionSight® night & day vision enhancer

Fully digital, FusionSight® is the world-first compact monocular combining two viewing modes - thermal and color low light - to be fused or used separately.

This reliable handheld device is most efficient when used to unveil camouflaged enemies in operation. Enhancing threat and target detection, FusionSight® is an essential device for Police and Homeland Security during investigative missions, for both short and long-term surveillance tasks. FusionSight® also offers significant visual support for search and rescue missions, even with limited visibility conditions.

FusionSight® allows for evidence pictures' snapshots and live streaming on multiple interfaces.

Its ergonomic design has been inspired by users' needs (Comfort, lightweight, 7-hour autonomy).

• FUSIONSIGHT PACK (ref. 004953-003-ML)

- 1 naked FusionSight
- 1 black rugged rubber pack
- 2 hand straps
- 1 rechargeable battery
- 1 battery charger
- 1 SD card (16Go)
- 1 shipment box
- 1 English user manual
- 1 CE certificate
- 1 Quality control check / certificate of compliance
- 1-year warranty

FusionSight®

OPTICAL DATA

	Thermal channel	Low light channel
Field of View	32°	29°
Digital zoom	X8	X8

SENSOR

Type	Microbolometer	Color low light
Spectral band	8µm – 12µm	350nm – 1050nm
Resolution	640 x 480	1280 x 1024
Pixel Size	17µm	9.7µm
NEdT	<50mK	
Refresh rate	50Hz full frame	50Hz full frame

BUILT-IN DISPLAY

Color	Yes
Resolution	1280 x 1024 pixels
Pixel size	9.4µm
Frame rate	up to 60Hz
Type	OLED-on-CMOS
Diopter adjustment	+/- 4δ
Light guard	Eyecup

VIDEO OUTPUT

- Digital HD-SDI @25Hz color

FusionSight®

LOCALIZATION

Compass	9 Degrees of Freedom Inertial Measurement Unit
GPS	Civil GPS, QZSS, GLONASS, BeiDou, all SBAS

IMAGE STORAGE

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Resolution	640 x 480	1280 x 1024
Pixel Size	17µm	9.7µm
NEdT	<50mK	
Refresh rate	50Hz full frame	50Hz full frame

BUILT-IN DISPLAY

Capability	<32Go
Format	JPEG with EXIF

ELECTRICAL DATA

External power supply	7V-18V
Battery types	Lithium, CR123, AA
Incl. battery life	7 hours
Consumption	< 8 W
EMC	Compliant to CE - EMC

ENVIRONMENT

Ingress Protection	IP65
Operating temp.	-20°C; +50°C / -4°F; +122°F
Storage temp.	-30°C; +70°C / -22°F; +158°F
Shock	MIL-STD-883K - Operational after 1m fall onto concrete

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PHYSICAL CHARACTERISTICS

Weight (excl. battery protection)	990g / 2.2lbs
Weight (Lithium battery)	250g / 8.8oz
Weight (protection)	225g / 7.9oz
Dimensions	220mm x 80mm x 60mm / 8.7" x 3.1" x 2.4"

TRANSPORT CASE

Dimensions	340mm x 300mm x 150mm / 13.4" x 11.8" x 5.9"
Weight (case and foam only)	1.93kg / 4.2lbs

OPTIONS

- Tripod
- Cable kit (video, power supply with EU/UK/US connectors, adapter for vehicle)
- Adapter for standard battery (CR123, AA)
- Operator screen with recorder

SPARE PARTS

- Black rugged rubber pack : 1 black rugged rubber / 1 front cover
- Rechargeable battery
- Battery Charger : Power supply with EU/US/UK connectors and charging base
- Shipment box : Case and foam
- Shoulder strap
- User maintenance kit :
 - 2 desiccant cartridges
 - Clean wipes
 - front cover
 - 3 eyecups
 - 1 hand strap



FusionSight® pelicase