

ND-IR

Monocular Head-Mounted Thermal Imager

ND-IR is a multifunctional monocular head-mounted thermal imaging camera, suitable for night, dim, no light, bad weather and other complex scenes under the conditions of observation and target search, small size, light weight, clear and continuous image, long endurance, can be used as a head-mounted, hand-held, clip-on, infrared thermal aiming, a multifunctional combination. Suitable for security law enforcement, field adventure, search and rescue and other fields.



Effective Range



- Shutterless
- Image Storage
- large storage space
- APP
- Outdoor Search
- Night Vision Observation
- High Concealment
- Digital Compass

ND-IR

Model	ND-IR-E16	ND-IR-E9	ND-IR-Q16	ND-IR-Q26
Thermal Imaging Parameters				
Detector	Uncooled VOx Microbolometer			
Resolution, pixels	384×288/12μm		640×512/12μm	
Frame Rate,Hz	50Hz			
Shutterless	No Shutter Calibration			
Display	0.39" OLED 1024x768			
Optical Specifications				
Objective Lens (F1.0)	16mm	9.6mm	16mm	26.7mm
Field of View	16.3°×12.3°	27.3°×20.5°	27.3°×20.5°	16.3°×12.3°
Visual Magnification	1x			
Eyepiece Diopter	-6~+3			
Eye Relief	25mm			
Laser Indicator				
Output Wavelength/Power	650nm/2-5mW			
Spot Range	> 100m			
Spot Size	< 20mm			
Functional Parameters				
Digital Zoom	1-8x			
Electronic Compass	Azimuth / Pitch / Roll			
Wi-Fi	√			
Video/Image Capture	√			
Device Information				
Spectral Band	8~14μm			
NETD	≤ 35mk@300K			
Polarity Model	White Hot / Black Hot/ Iron Red / Desert Yellow Green Hot / Red Hot / Sky Blue / Edge			
Use Method	Handheld, Head-mounted, Clip-On			
Weight	≤ 260g			
Dimensions	119x39x79mm			
Power Supply	One 18650 Li-ion Battery			
Standby Time (Without WiFi)	≥ 6h			
Interface	Power Supply/Serial Port/Analog Video Output/Type-C			
Mechanical Interface	2 x 1/4 Threaded holes, Piccatini Rail			
Operation Temperature	-20°C ~50°C			
Protection Rating	IP67			
Reliability	800g Shock Resistance			
Adaptability	All-weather			
Recognition Range (Human)	370m	220m	370m	630m
Detection Range (Human)	1500m	900m	1500m	2500m
Accessory Kit	Cables(USB2.0&BNC) Helmet support, well-matched support, Carrying Bag, User Manual, Cleaning Cloth			