

Handheld Thermal Camera





◆ SHR-MIR1000 & MHIR1500

Features



- Highly integrated design, integrating infrared thermal imaging, visible light, ranging positioning, recording and storage together
- dual spectrum imaging with clear image, easy observation, day night covert monitoring
- Infrared image noise reduction process, DDE function, output white hot / black hot / pseudo color image
- ◆Built-in electronic compass for 3D information, built-in laser range finder, accurate and efficient range measurement
- ◆Built-in Beidou/GPS dual-mode positioning system for high-precision positioning
- High-resolution binocular OLED display, better visual effect
- ◆Video recording and capture function, real-time evidence, large SD card storage size
- Protection grade IP66, light magnesium alloy, water proof, dust proof,anti-impact

Effect demo





Technical data

Model	SHR-MIR1000			SHR-MHIR1500	
Monitoring distance	object	Human	Vehicle	Human	Vehicle
		$(1.8 \text{m} \times 0.5 \text{m})$	$(2.3m \times 2.3m)$	$(1.8m \times 0.5m)$	$(2.3m \times 2.3m)$
	Detection	1400m	4000m	1680m	4800m
	Recognition	350m	1000m	420m	1200m
Thermal	Detector	Uncooled focal plane array detector (Vox)			
	Effective pixels	384×288		640×512	
	Spectral range	$8\sim14\mu m$			
	NETD	≤50mK@F1.0,300K			
	Focal length	50mm/F0.8		60mm/F1.0	
	FOV	7.5°×5.6°		10.4°×7.8°	
Visible light camera	FOV	7.8°× 5.85° focal length 35mm		6.3°, 8X magnification	
Video	Format	Video format ASF, image format JPEG			
encoding	Resolution	Video resolution 720 × 576, image resolution 720 × 576			
lmage display	Binocular	OLED display resolution 640×480		OLED, monocular	
Storage	Image	About 10000pcs images			
	Video	Around 18 hours			
SatelliteLocation	Dual mode	BD-2/GPS			
Laser range finder	Laser type	Semi-conductor laser illuminator, laser wave length 1550nm			
	Detection range	20m-2km(medium size vehicle)			
	Ranging precision	±2m(within 1km), ±5m(1km-2km)			
Electronic	Angle measurement	±0.5° (dip angle 0°)			
compass	precision				
Interface	Power supply	DC12V			
	Video output	video output one channel PAL,data output USB2.0			
Power supply	power supply	built in lithium battery			
	Whole consumption	5W			
	Operation hours	≥3hours			
Environment indicators	Working	-20℃~+55℃(-40℃~+55℃ optional)			
	temperature	Storage temperature -45℃~+70℃			
	Protection grade			IP66	
Physical features	Weight	≤1	.7Kg		< 2.5kg
	size	215mm × 20	6mm × 82mm	240mm × 2	210mm × 110mm
	Mounting method	Tripod			