

SHR-PTIR100R Portable Thermal Imaging Camera

See through the fog, smoke, dust and other hazardous atmospheres in total darkness



I . Introduction

- Uncooled micro bolometer infrared focal plane arrays, 324×256 pixel NETD at 50mk, easy to find objects
- Special compensation circuits: No need of TEC, low power consumption
- 17μm, can obtain clear details, and realize longer distance monitoring.
- Adopts Image Denoising tech, DDE tech, output black hot/white hot/palette colors.
- Built-in display: built-in mini LCD display, appropriate for hidden use
- Low power consumption, quick start, steady performance, clear and smooth images.
- 25HZ Thermal

II. Main Use

- Frontier and coast defense, Military/Police, Border defense
- Oilfields, Railways, Airports, Harbors, Fireproofing, Large areas real-time monitoring

III. Technical Indicators

Model	SHR-PTIR100R	
Detect people (1.8m×0.5m)	2400m	
Recognize people (1.8m×0.5m)	600m	
Detect vehicle (2.3m×2.3m)	6600m	
Recognize vehicle (2.3m×2.3m)	1650m	
Thermal	Sensor	VOX

	Resolution	324×256
	Spectrum	8~14μm
	NETD	≤50mK @F1.0,300K
	Focal	100mm
	F value	1.2
	FOV	4.6°×3.7°
	Focus	manual
Video code	Video type	ASF
	Pixel	720×576
	Picture type	JPEG
	Picture type	720x576
Display	Binocular	640 × 480
Storage	Space	32G
	Time	about 18 hours
Interface	Power input	DC12V
	USB output	USB output
	Video output	1 line PAL output
	RS485	RS485
Environment	Working temperature	-15℃~+45℃
	Storage temperature	-20℃~+55℃
Power supply	Supply	lithium battery
	Power consumption	≤6W
	Power use up time	about 3 hours
Physics	weight	≤2kg
	Size	310mm×170mm×96.5mm



Details:

Front View



Back View

It can record a video or take picture in Storage Card.

Internal it's with Li battery to suitable for mobile and movable application.

Thanks and Best Regards

Mary Tian



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