

Monocular Handheld Thermal Imager



IPI-Sc18

With newly adopted thermal vision technology, IR518 series set a new standard for small, light weight thermal imaging cameras. Compact design and hand-sized structure allows for easy carrying and operation. Thermal image and video storage function helps you to store the detection process as an evidence for review. The perfect hermetic structure and encapsulation realize overall protects for IR518 series and makes them perfect for public safety, police office and security operations.

Applications

- Search and rescue
- Security monitoring
- Portable law enforcement
- Border security
- Routine patrols

Features and Benefits

- Light-weight and compact design
- Day & night easy operation
- Image capture, mission reporting
- Waterproof and shockproof
- License free and rapid delivery





IPI-Sc18		
Image Performance		
Detector Type	Uncooled FPA	
Spectral Range	8-14 μ m	
Pitch	25 μ m	
Pixels	160x120/384x288	
NETD	$\leq 100\text{mK}/\leq 80\text{mK}$	
Optics		
Focal Length/F#	25mm/F=1 50mm/F=1.1	
FOV	160x120 detector	384x288 detector
	4.58° x3.44° (50mm)	10.97° x8.24° (50mm)
	9.15° x6.87° (25mm)	21.74° x16.39° (25mm)
Image Presentation		
Video Output	PAL	
Brightness/Contrast	Auto & manual control	
Polarity	White hot/black hot	
Electronic Zoom	x2	
Image Display	OLED viewfinder	
Image Storage		
Type	Removable 4GB SD card	
File Format	JPG	
Video Recording	Yes	
Power		
Power Supply	4 AA lithium or alkaline batteries	
Battery Operating Time	3 hours continuous operation	
Interfaces		
Video Output	Analog composite video output	
Environmental Specification		
Operating Temperature	-10°C to +45°C	
Storage Temperature	-20°C to +50°C	
Humidity	Operating and storing 10% to 95%, non-condensing	
Encapsulation	IP67	
Water & Shock Resistance	Waterproof to 1m submersion, shockproof to 1m drop	
Physical Characteristics		
Size	182mmx97mmx68mm	
Tripod Mounting	1/4" -20	
Weight	0.75kg(without batteries)	