

Smallest & Lightest Thermal Goggle

Weighing less than 300g and sized a palm only, IR528 is the smallest and lightest thermal imaging system available in the market. It features instant-on imaging, accurate and simple intuitive control, thus can be used as either hand-free viewer or a portable monocular. Operating in thick smoke, dense fog and total darkness, no doubt it is the ideal system for firefighting, field vision and 24-hour security. And it costs you the minimal amount for ownership.

Features and Benefits

- No need illumination, works in total darkness and any bad visibility situation
- Extremely light weight and palm size
- Easily mount on Helmet, free the hands of users
- 45mm telelens is available for long range detection
- Low price, easy to own



Applications

- Search and rescue
- Security monitoring
- Law enforcement
- Border security
- Routine night-time patrol



Specifications

Detector	
Detector Material	UFPA microbolometer
Spectral Range	8~14 μ m
Pixels	160 \times 120
Pitch	25 μ m \times 25 μ m
NETD	\leq 120mk@25 $^{\circ}$ C
Optics	
Lens	6.87mm/F0.8 45mm/F1.0 (optional)
FOV	32.46 $^{\circ}$ \times 24.63 $^{\circ}$ 5.09 $^{\circ}$ \times 3.82 $^{\circ}$ (optional)
Image Presentation	
Video Output	PAL
Frame Frequency	50Hz
Adjust	Auto/Semi auto brightness & contrast adjustment
Electronic Zoom	\times 2
Polarity	B&W,B&W inverse
Display	OLED viewfinder
Interfaces	
Command and Control	RS232
Video Output	RCA/BNC alternative
Power System	
Rechargeable Li-ion Camcorder Battery	110/ 220VAC adapter
Power Dissipation	$<$ 3W
Battery Operating Time	$>$ 2.5hrs
Environmental Parameters	
Operating Temperature	-20 $^{\circ}$ C~+50 $^{\circ}$ C (-40 $^{\circ}$ C~+60 $^{\circ}$ C optional)
Storage Temperature	-40 $^{\circ}$ C~+60 $^{\circ}$ C
Physical Characteristics	
Color	Black
Size	148mm \times 50mm \times 70.5mm
Weight	Camera 0.275kg Optional lens 0.245kg Battery 0.06kg