

R4 Series

Thermal Monocular Camera



- 384×288, 12μm industry-leading uncooled Vox sensor.
- High sensitivity, NETD < 30mK.
- 1440×1080 high resolution OLED display.
- Supports video recorder and capture snapshot.
- Built-in 32GB storage.
- Ultra-low power consumption.
- IP67 protection grade.

The appearance and parameters are for reference only and may be modified without notice.

Technical Specification

Thermal

Detector Type	Vanadium oxide uncooled focal plane detector	
Effective Pixels	384 × 288	
Pixel Pitch	12 μm	
Spectral Range	8 μm–14 μm	
Sensitivity (NETD)	< 30 mK@f/1.0	
Focal Length	25 mm; 35 mm	
Frame Rate	50 Hz	
Aperture	F1.0	
Focus Control	Manual	
Field of View	25 mm	H: 11.0°; V: 8.2°
	35 mm	H: 7.8°; V: 5.9°
Detection Range	25 mm	1300 m
	35 mm	1800 m
Magnification	25 mm	2.34x
	35 mm	3.27x

Display

Screen	0.41 inch OLED, 1440 × 1080
Diopter Adjust	-4 to +5D
Color Palettes	6 (white hot/black hot/iron red/alarm/emerald/amber)
Video Compression	MP4
Brightness Adjustment	Yes

Function

Digital Zoom	1-8X
Video Recorder	Yes
Snapshot	Yes
WiFi Hotspot	Yes
Hot Spot Track	Yes
Distance Measurement	Yes
FFC	Yes
Standby Mode	Yes
PIP	Yes
Storage	Built-in 32 GB

Power

Battery type	Built-in rechargeable lithium battery
Battery Life	7.5h
Power Supply	5 VDC/2 A, USB Type-C

General

Operating Temperature	-30 °C to +55 °C (-13 °F to +131 °F)
Operating Humidity	≤95%
Protection Grade	IP67
Product Dimensions	190.5 mm × 64.7 mm × 69.6 mm(L × W × H)
Weight	< 450g