

# R6 Series

## Thermal Monocular Camera



- 640×512, 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	640 × 512	
Pixel Pitch	12 μm	
Spectral Range	8 μm–14 μm	
Sensitivity (NETD)	< 30 mK@f/1.0	
Focal Length	25 mm; 35 mm; 50mm	
Frame Rate	50 Hz	
Aperture	F1.0	
Focus Control	Manual	
Field of View	25 mm	H: 17.4°; V: 14.0°
	35 mm	H: 12.4°; V: 10.0°
	50 mm	H: 8.7°; V: 7.0°
Detection Range	25 mm	1300 m
	35 mm	1800 m
	50 mm	2600 m
Magnification	25 mm	1.46 ×
	35 mm	2.05 ×
	50 mm	2.92 ×

#### 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	6.5h
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	25/35mm: 190.5 mm × 64.7 mm × 69.6 mm(L × W × H) 50 mm: 217 mm × 64.7 mm × 69.6 mm(L × W × H)
Weight	25/35 mm: < 450g 50 mm: < 500g