Owltron

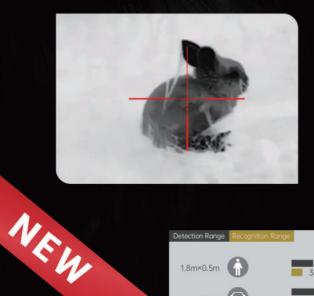
RSM Series

Thermal Imaging Riflescope



Introduce

RSM50 thermal imaging riflescope retains the appearance of a traditional daylight scope and perfectly integrates latest premium thermal imaging technology. The design of this scope accommodates long-term operating habits of hunters. RSM50 adopts high-sensitivity thermal detector with three different lens options of 25mm,35mm,50mm, and its 10 sets of zero calibration configuration make it convenient to switch between different instruments.



Features and Benefits

- HD OLED display, with 1x~8x smooth zoom, provides a comfortable visual experience
- 10 sets of zero calibration configurations can be saved, no need to recalibrate for different instruments
- The reticle density can be zoomed in synchronously with the image to ensure the aiming accuracy
- 10 kinds of reticles, 6 kinds of reticle colors, 10 grades of reticle brightness, for your selection
- Support photo and video, record wonderful moments at any time, easy to share
- Remote control by WIFI or Bluetooth, for diversified usage
- Rugged and durable, IP67 rating, working temperature
 -30°C~50°C, no fear of severe weather
- 10hrs super long duration time, changing battery without turn off, ensuring full day operations
- Mounts on Standard 30 mm Scope Rings

Application

- Outdoor Observing
- Law Enforcement



Specifications

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Model	RSM420	RSM430	RSM450	RSMX20	RSMX30	RSMX50	
Detector	400×700@17 × 1/0×						
Detector Type	400×300@17μm, VOx 640×480@12μm, VOx						
Spectral	8μm~14μm						
NETD .	≤50mk						
Lens							
Focal Length	25mm	35mm	50mm	25mm	35mm	50mm	
FOV	15.49°×11.65°	11.1°×8.33°	7.78°×5.84°	17.46°×13.14°	12.52°×9.41°	8.78°×6.59°	
Focusing			Ma	nual			
Display							
Display Screen	Full-color 0.39'OLED screen, 1024×768						
Eyepiece	Pupil distance of eyepiece 48mm, Eyepiece magnification 14×						
Magnification	1.6×~6.4×	2.3×~9.2×	3.2×~12.8×	1.4X~11.2X	2.0X~16.0X	2.8X~22.4X	
Imaging							
Frame Rate			50)Hz			
Digital Zoom	1X~4X (Smooth zoom) 1X~8X (Smooth zoom)						
Scene Modes	Enhance, highlight, natural						
Color Palettes	White hot, black hot, customized red hot, green hot, iron red, blue heat						
Picture-in-picture	on/off, the position is adjustable						
Functions			011,011, the posit	io dajustable			
Wi-Fi/APP	Connect	Ann (IOS & Andr	oid) via WIEL to realize	remote control live	e image and video	transmission	
Compensation Modes	Connect App (IOS & Android) via WIFI to realize remote control, live image and video transmission						
Zero Calibration	Scene compensation, shutter compensation, automatic compensation						
	50m/100m/200m/300m/500m						
Gun Type Selection	10 sets of zero calibration configurations can be saved, no need to recalibrate for different instruments						
Reticle	10 reticle styles, 6 colors, 10 levels of brightness Photo taking, video recording, hotspot tracking, Stadiametric rangefinder						
Others		Photo taking	, video recording, hotsp	ot tracking, Stadic	ımetric rangefinder		
Power Supply							
Battery Type	1× internal Battery + 1× external battery, rechargeable, change external battery without power cut off						
Battery Operating Time	Battery continuous working time ≥ 10hrs						
Interface							
USB	Type-C, It can supply external power and charge, and can read the data of memory card						
Video Interface	Micro HDMI						
Environmental Characteristic	CS .						
Operating Temperature		-30 °C	~ 50 °C (External power	supply is required	below -20°C)		
Storage Temperature	-45°C~70°C						
Humidity	Working and storage 10% ~ 95%, non condensing						
Shock	500G/1ms						
Vibration	10Hz ~ 150Hz ~ 10Hz 0.15mm IEC60068-2-6						
IP level	IP67						
Certificate	RoHS, CE, FCC, EAC, UN38.3 (Battery certificate)						
Physical Characteristics			KUI IS, CE, FCC, EAC, UN	130.3 (Buttery Cert	incute)		
,			1	/ C			
Internal Storage	0.7.0	0.10		6G	000	222	
Weight (excl battery)	930g	940g	950g	980g	980g	990g	
Dimensions (excl eye mask)	367×107	×69mm	377×107×69mm	36 /×10	7×69mm	377×107×69mm	
Package Contents							
Standard	Thermal Imaging	g Riflescope, Len	s Cover, Adapter, Batte	ry, Charger, TYPE-	C Data Cable, Micr	o HDMI Video Cable,	
Staridard	Eye N	Eye Mask, Picatinny Tube Clip×2(30mm Diameter), Pouch, Shoulder strap, Quick Start Guide					
Optional	Battery, Remote Control						
Detection Range Recognition Ran	nge					Unit: n	
Detection range Recognition ran	RSM420	0	RSM430		RSM4		
	NOIVI 120		NSIVI450				
1.8m×0.5m	700		1000		140	00	
nom com	350		500		700		
		1700		2400		7.000	
2.3m×2.3m	700	1700	1000	2400	140	3000	
2.5	700		1000		1400		
	DCMV20		DCL N/ZO		DCMVEO		
	RSMX2	U	RSMX30		RSMX50		
1005	1000		1400			2000	
1.8m×0.5m	500		700		1000		
27	1000	2400		2800		3300	
2.3m×2.3m	1000		1400			2000	
			1400			2000	