

Senopex



REX Series

*Long Range
12 μ m Thermal Scope*

REX Series Thermal Scope - Technical Specifications

MODEL	A5 (LRF)	A7 (LRF)	S5 (LRF)	S7 (LRF)	S10 (LRF)
THERMAL DETECTOR					
Detector Type	Uncooled microbolometer				
Detector Resolution	384*288	384*288	640*480	640*480	640*480
Pixel Pitch	12 μ m				
NETD	\leq 18mK	\leq 18mK	\leq 18mK	\leq 18mK	\leq 18mK
Spectral Range	8-14 μ m				
Frame Rate	50Hz				
LENS SYSTEM					
Objective Lens	50mm F1.0	75mm F1.0	50mm F1.0	75mm F1.0	100mm F1.2
FOV	5.3°x4°	3.5°x2.6°	8.8°x6.6°	5.9°x4.4°	4.4°x3.5°
Magnification	4.5x	7x	3x	4x	5.5x
Eye Relief	48mm				
LASER RANGE FINDER (OPTIONAL)					
Laser Wavelength	900-908nm				
Ranging Distance	19~1000m				
Range Finding Accuracy		\pm 1m (7-100m)	\pm (1+D*0.25%)m (101-1000m)	*D=Distance	
Range Resolution	0.1m				
Laser divergence option	4 mrad				
Safety	Safety Class for laser equipment according IEC 60825-1:2014				
Feature	Magnetically Attached, Red dot laser pointer - LRF optical axis calibration				
LRF Dimensions (L/W/H)	58.5/42.5/51.7mm	67.5/42.5/66.2mm	58.5/42.5/51.7mm	67.5/42.5/66.2mm	67.5/42.5/66.2mm
IMAGE PROCESSING					
Display	OLED 1024*768				
Mode	White/Boost/Detail/Background/Highlight/Equator/Black/Edge/Iron				
Reticle	Up to 7 Reticles (including no reticle)				
Digital Zoom	X2 X4 X6 X8				
PIP	YES				
Targets Brightness	YES				
Hot Spot Tracking	YES				
PERFORMANCE & APPLICATION					
Detection Range	2400m	3600m	2400m	3600m	5200m
Shock Resistant	1200G				
POWER SUPPLY					
Battery	One 21700 rechargeable batteries (customised for low temp.)				
Working Time	\leq 10 hours				
PHOTO & VIDEO					
Photo Format	.jpg				
Video Format	.mp4				
Resolution	1024*768				
Memory Card	32GB built-in				
Voice Recording	YES				
ENVIRONMENTAL PARAMETERS					
Working Temp.	-25°C ~ +60°C				
Storage Temp.	-45°C ~ +65°C				
Protection	IP66				
PHYSICAL PARAMETERS					
Weight (*LRF)	1012g(*1080g)	1189g(*1257g)	1012g(*1080g)	1189g(*1257g)	1258g(*1326g)
Dimensions(*LRF) (**Eyepiece cover)	351(**400)/60/60(*94)mm	389(**438)/85/85(*121)mm	351(**400)/60/60(*94)mm	389(**438)/85/85(*121)mm	406(**455)/93/93(*125)mm



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