

Senopex



DOT Series

12 μ m Thermal Scope

DOT 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	12μm				
NETD	≤35mK	≤35mK	≤25mK	≤25mK	≤25mK
Spectral Range	8-14μm				
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	45mm				
LASER RANGE FINDER (DOT LRF ONLY)					
Leaser Wavelength	900-908nm				
Max. Measuring Range	1000m				
Measurement Accuracy	±1m (7-100m)		±(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				
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	Two 18650 rechargeable batteries (customizable for low temp.)				
Working Time	≤14 hours				
PHOTO & VIDEO					
Photo Format	.jpg				
Video Format	.avi				
Resolution	1024*768				
Memory Card	32GB built-in				
Voice Recording	NO				
ENVIRONMENTAL PARAMETERS					
Working Temp.	-40°C ~ +60°C				
Storage Temp.	-45°C ~ +65°C				
Protection	IP67				
PHYSICAL PARAMETERS					
Weight (*LRF)	706g(*856g)	985g(*1135g)	706g(*856g)	985g(*1135g)	1105g(*1255g)
Dimensions (*LRF)	229*70(*102)*95mm	268*90(*125)*110mm	229*70(*102)*95mm	268*90(*125)*110mm	288*108(*128)*110mm



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