



# ENGEREK® S120

## THERMAL WEAPON SIGHT



### ENGEREK® S120 THERMAL WEAPON SIGHT (STAND-ALONE)

#### General Features

ENGEREK-S120 sniper thermal weapon sight is designed to be used on sniper rifles. ENGEREK-S120 has the ability to detect people and vehicles continuously for 24 hours even in poor visibility conditions, and unlike night vision devices, it can easily detect targets in complete darkness and combat environment.

The ENGEREK-S120 has the latest uncooled thermal imager technology, lightweight, compact and has low power consumption. There is no reticle and sight zeroing device on the Thermal Scope.



FOV: 3.7° x 3°



1.8kg



25cm x 15cm x 10cm



Image & Video Record



-30°C to + 50°C



360 min



Min 5 Color Palette



7X Optical Magnification



Identification Range

2000m



Detection Range

3500m

#### Standard Accessories

Transportation Container  
Bellows/Eye Cup  
Mounting Bracket  
Protective Cover  
Remote Control  
Charging Device  
Vehicle Adapter  
Socket Adapter  
USB Cable  
Battery  
Booklet  
Cleaning Kit





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Technical Specifications		
Model		S120
OPTIC SPECIFICATIONS	FOV	3.7° x 3°
	Optic Zoom	7X
	Digital and Optic Total Zoom	7 ~ 28X
	Detection Distance <i>(0.75x1.8 m Human Silhouette Target 1.5 cycle)</i>	3500m
	Identification Distance <i>(0.75x1.8 m Human Silhouette Target 3.8 cycle)</i>	2000m
DETECTOR SPECIFICATIONS	Technology	Uncooled µB
	Resolution	640x512
	Spectral Band	LWIR (8-14µm)
	Pixel Pitch	12µm
	NETD <i>(with F1.0 lens)</i>	40mK
	Image Rate	min 25 Hz
	Polarity	Warm White, Cold White
	Color Palettes	Min 5
GENERAL SPECIFICATIONS	Lining	Digital Noise Reduction, Digital Detail Enhancement
	Multimedia	Image and Video Capture
	Battery Count, Type	2 pcs Lithium Polymer 18650
	Battery Life <i>(Normal Use)</i>	360min
	Outline Contour	Yes
	WIFI Connection	Yes
	Remote control	Yes
	Inclinometer	Yes
	Bullet counting	Yes
	Color	Type 3 Hard Anodized with TAN Color Coating Screw, cover, button, accessories and other parts may have different colors
	Body Material	Aluminium 7075-T6
	Rail Interface	Compatible with STANAG 4684 Attachable-detachable without any tool, lock mechanism against self-opening No more than 0.5 MOA change during assembly/disassembly of target line and between shoots
	OLED Resolution	1024x768
	OLED Type	Colored
	Device Dimensions <i>(Length x Width x Height)</i>	25cm x 15cm x 10cm
Total Weight of Device and Mounting Bracket <i>(Without Accessories)</i>	1.8 Kg	
ENVIRONMENTAL CONDITIONS	Seal	Device maintains its seal for two hours under atmospheric pressures between 0.5-1.5 Usable between 0.7-1.3 atm
	Temperature Shock	Transferable to temperatures between -40 - +50°C after resting at ambient temperature for 5 minutes
	Working Temperature	-30°C / + 50°C
	Storage Temperature	-40°C / + 70°C