



ENGEREK® C120 THERMAL WEAPON SIGHT



ENGEREK® C120 THERMAL WEAPON SIGHT (CLIP-ON)

General Features

ENGEREK-C120 sniper thermal weapon sight is designed to be used on sniper rifles. ENGEREK-C120 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-C120 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°



25cm x 15cm x 10cm



-30°C to + 50°C



Min 5 Color Palette



1.8kg



Image & Video Record



360 min



1X 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		C120
OPTIC SPECIFICATIONS	FOV	3.7° x 3°
	Optic Zoom	1X
	Digital and Optic Total Zoom	1.0 ~ 8.0X
	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 μ B
	Resolution	640x512
	Spectral Band	LWIR (8-14 μ m)
	Pixel Pitch	12 μ m
	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
	Optic Axis Height	Height of colorimeter/ocular optic axis above Picatinny rail is 40 \pm 3mm
	Target Angle	The height between colorimeter's optic axis and Picatinny rail increases with an angle of 40 \pm 3 MOA as it moves towards the user
	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