

ENGEREK®8

COOLED THERMAL MULTI PURPOSE TACTICAL BINOCULAR

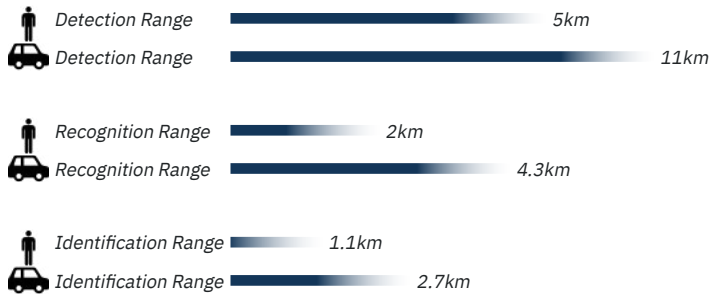


ENGEREK®8 COOLED THERMAL MULTI PURPOSE TACTICAL BINOCULAR

General Features

ENGEREK®8 is a multifunctional cooled handheld thermal binocular viewer.

The device is integrated with MWIR cooled thermal camera, low light daytime camera, laser range finder, laser pointer, GPS and digital magnetic compass. It has a compact and robust structure and is easy to use and transport.



FOV: 29° - 2°



4kg



Cooled T2SL Super Lattice
640x512 15µm



215mm x 305mm x 125mm



-30° to +50°



Laser Range Finder



IP67



GPS, Electronic Compass

- MWIR Cooled Thermal Camera with Optical and Digital Magnification
- Thermal automatic gain / palette / contrast / gain area selection / detailing
- Low-Light Daylight Camera with Optical and Digital Magnification
- Low Light Camera day-night modes / electronic defog / contrast / saturation / detailing
- Photo / video capture and display function in internal memory
- Transfer of recordings in internal memory to USB memory and video recording on USB memory
- Laser range finder measurement in meters / yards / feet
- Target vertical and horizontal distance, spot elevation, direction and elevation angles and coordinate display
- Geographical, UTM and GRID coordinate detection
- Day / Thermal Cooler Standby / Thermal Cooler Active modes for Energy Saving
- Operator Control Unit and Mobile Router with Working feature
- Remote control feature with serial communication interface
- Video output interface, direct connection to an external screen



Control Unit



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Technical Specifications			
INFRARED THERMAL CAMERA	Detector Resolution	Cooled T2SL Super Lattice 640x512 15µm	
	Spectral Band	3~5µm (MWIR)	
	Electronic Magnification	8x / Narrow Field of View 29° - 2°	
	Optical Magnification	15x Continuous Magnification	
	Gain Adjustment	Automatic/Manuel	
	Polarity	White-hot / Black-hot	
RANGE		1.8mx0.5m Human	2.3mx2.3m NATO
	Detection Distance	≥5 km	≥11 km
	Recognition Distance	≥2 km	≥4.3 km
	Identification Distance	≥1.1km	≥2.7 km
LOW LIGHT DAYTIME CAMERA	Resolution	1280 x 1024	
	Electronic Magnification	4x	
	Optical Magnification	30x continuous zoom / Narrow Field of View 2.3°	
GPS	Position Accuracy	≤15m	
DIGITAL MAGNETIC COMPASS	Resolution	0.1°	
	Orientation Accuracy	1° (RMS)	
LASER RANGE FINDER	Spectral Band	Class 1 -eye safe 1540 ±10 µm	
	Distance (Visibility 15 km, target reflection 30%, 90% chance)	For 2.3x2.3m typical target, the maximum measurement distance is 10 km	
	Distance Accuracy	For targets such as buildings, 30km	
LASER TARGET POINTER	Wavelength	830nm ± 10nm	
	Beam Scattering	0.5 mrad	
	Distance (At night and in open weather conditions)	>2500 m (GEN III)	
STORAGE	Video Storage	Video recording time >5 saat	
	Video Format	MPEG	
	Picture Format	JPG	
SCREEN	OLED	Colorful, 1280x1024	
INTERFACE	Video Interface	Analog Video VGA interface	
	Communication Interface	RS422	
POWER	Power Input	External Power Supply: DC15V±0.5V	
	Operating Time (Continuous with battery)	≥4h@ normal temperature	
ENVIRONMENTAL PARAMETERS	Operating temperature	-30°C~+50°C	
	Tightness	IP67	
PHYSICAL CHARACTERISTICS	Weight	≤4.0Kg (Including batteries)	
	Dimensions	~215mmx305mmx125mm	

