

CMTi



Compact Monocular Thermal Imager



Military



Search & Rescue



Law Enforcement



Night Vision Observation



Helmet-mount option

A high performance compact monocular thermal imager. Perfect for surveillance or close quarters observation at night or in low light conditions.



CMTi

A compact monocular thermal imager with optional head or helmet mounting

Specifications

Item	CMTi		
	Name	CMTi 384	CMTi 640
Thermal	Pixel Pitch	12 μm	
	Resolution	384×288	640×512
	Frame Rate	50 Hz	
	Display(OLED)	1024 × 768	
Optical	Focal Length F1.0	16mm	26.7mm
	FOV	16.3° X 12.3°	
	Optical Magnification	1 x	
	Dioptr Adjustment	-5, +2	
	EYE Relief	25mm	
Physical Interface	Type-C	Power input, serial port, video output	
Display Mode	Polarity	Black hot, white hot, iron, color palettes	
	Mode	Default, outdoor, polar, rainforest	
Functional Parameters	E-zoom	1-4×	1-8×
	Electronic Compass	Azimuth, pitch, roll	
	Wi-Fi	Supported	
	Video/Image Capture	Supported	
Power Parameters	Battery	1 x 18650 (3.7V)	
	Max. Battery Capacity(w/o Wi-Fi)	>6h	
Identification Distance	Identification Distance(human)	370m	620m
	Detection Distance(human)	700m	1200m
Weight & Volume	Weight(w/o battery)	≤ 218g	≤228g
	Volume(mm)	110×48×72	
Use Method		Handheld, head-mounted	
Environmental	Encapsulation	IP67	
Requirements	Operation Temperature	-20°~ 50°	
External Interface	Type-C	Power supply, serial port, analog video output	
Accessories		Cables: USB and Video Helmet mounting supports (Optional) Carrying Bag User Manual Cleaning Cloth	

Main Features

- Small footprint
- Lightweight
- Easily concealed and carried
- Photo storage
- Video storage
- App support
- Electronic compass
- 32G storage

Operating Distance

