



Cyclops SE
Thermal Imaging

Thermal Imaging Monocular Cyclops 650 SE

Technical Specifications



Download on the
App Store

GET IT ON
Google Play



ThermTec Technology Co., Ltd.
Email: info@thermeyerotec.com
Website: <https://www.thermeyerotec.com>

Cyclops 650 SE

Key Features

- 640*512 thermal resolution, NETD less than 20mK
- 1-4x uninterrupted digital zoom
- Ultra image quality with excellent object recognition detail
- Various colour palettes for customizable use
- Advanced AI algorithm suitable for diverse distance measurements simultaneously
- Joystick design for menu control
- Up to 64GB storage capacity
- 1024*768 resolution with a 0.39-inch OLED display
- Three types of digital zoom available
- Fast boot within 3 seconds
- Inbuilt lithium batteries provide up to 16 hours of continuous work
- A variety of imaging modes including forest, target, and outline

Applications

- Observation
- Night hunting
- Rescue operations
- Hiking & traveling

Specifications



Model		Cyclops650 SE
		Microbolometer
Resolution		640x512
Pixel Pitch		12μm
NETD		20mK@300k
Spectral range		8-14μm
Frame rate		50HZ
Detection Range		2500m
		Optics
Objective lens		50mm/F1.0
Field of view		8.8° x 7.0°
/ m @100m		15.4m x 12.3m
Magnification		2.8x
Digital Zoom		1-4x continuous zoom
Eye relief		40mm
Exit pupil		6mm
Diopter		±5D
		Display
Type		AMOLED
Resolution		1024x768
Display size		0.39 inch
Color palette		6
Image mode		Forest/Target/Outline

Function	
Photo/video playback	Yes
Language	Multiple-languages
Inbuilt Memory	64GB
Calibration	Auto/Manual
PIP	Yes
AI/MIL Distance Measurement	Yes
Heat Track	Yes
Real-time Notification	Yes
OSD Recording	Yes
Battery	
Internal battery	Internal High Capacity Li-ion Battery (18650x2)
Battery life	16h
Interface	
Type-C	Supports battery charging, data transfer, analog video output
Hotspot	App remote control
Environment	
Working temperature	-20℃—+50℃
Protection Level	IP67
Weight, g	550
Dimension mm	202.9*65.1*64.1
Accessories	
External Cable	USB Cable / Analog Video Cable
Other Accessories	Non-dust cloth and etc.

Accessories



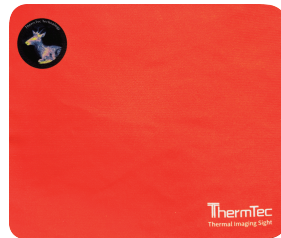
Monocular (x1)



Lanyard (x2)



USB cable (x1)



Lens Cloth (x1)



User manual (x1)

Dimension

Unit: mm

