

ThermTec

Cyclops-D Series
Thermal Imaging

Thermal Imaging Monocular Cyclops 640D

Technical Specifications



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

Cyclops 640D

Key Features

- 640*512 thermal resolution, NETD \leq 25mk;
- Automatic object detection and distance measurement;
- Picture in picture function;
- 1x--6x continuous digital zoom;
- Various pseudo colors;
- Joystick control design;
- 1024*768 resolution with 0.39 inch OLED display;
- Up to 12h continuous working for lithium battery;
- WDR/object/target outline mode

Applications

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

Specifications



Model	CP640D
Type	Uncooled
Resolution	640x512
Pixel pitch	12μm
NETD	25mk@300k
Spectral range	8-14μm
Frame rate	50HZ
Optics	
Objective lens	20/40 F1.0 Dual FOV
Field of view	21.7°x17.5° / 11.0°x8.8°
Magnification	1.1X-2.2X
Digital zoom	1 - 6X 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	WDR/Object/Target outline mode

Function	
Photo/Video Playback	Yes
Language	Multiple Languages
Built-in Memory	32GB
PIP	Yes
AI/MIL Distance Measurement	Yes
Heat Track	Yes
Real-time Notification	Yes
OSD Recording	Yes
Interface	
Type-C	Supports battery charging, data transfer and analog video output
Wi-Fi	Two-way Wi-Fi connection; App remote control
Battery	
Battery Type	Internal high capacity lithium ion (18650 x 2)
Battery Life	Continuous working time ≥12h
Environment	
Operating temperature	-20°C—+50°C
IP rating	IP67
Weight, g	550
Dimension, mm	200(L) x 66(W) x 62(H)
Accessories	
External Cable	Analog video cable; USB data cable
Other Accessories	Wrist strap; plush bag; user manual

Accessories



Monocular (x1)



Lanyard (x1)



USB cable (x1)



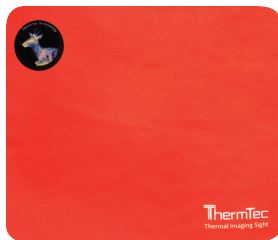
Video output cable (x1)



Carry bag (x1)



User manual (x1)



Lens Cloth (x1)

Dimension

Unit: mm

