



# CYCLOPS-D SERIES

## Thermal Imaging Monocular

CP340D/ CP350D/CP640D/CP650D

**ThermTec**

CE FC RoHS

# Taking You to Explore the Nature!

Easy Shift of Dual-Field of View

Fine Focus

Perfect Ergonomic Joystick

- Balance the central of gravity, and provide an easier and outstanding handheld experience.

High-Precision Zoom

- Continuous 1.0-6.0 HD zooming ensures excellent sharpness and the highest resolution of details.

1024 OLED

- Better image quality
- Better durability

Lightweight and Compact Size

- The compact dimension makes it a lightweight and handy companion wherever you go.

Highly Sensitive Detector

- Thermal imaging sensor with 12 $\mu$ m detector ensures perfect detail recognition.



# Dual-Field of View with 2x Optical Zoom



- A wide FOV with a focal length of 20/25mm can be used for detection;
- A narrow FOV with a focal length of 40/50mm can be used for identification.



Note: The above data is calculated based on the product model of CYCLOPS 340D.

## High-Precision Zoom

1.0-6.0X HD zooming ensures excellent sharpness and the highest resolution of details from minimum to maximum magnification.



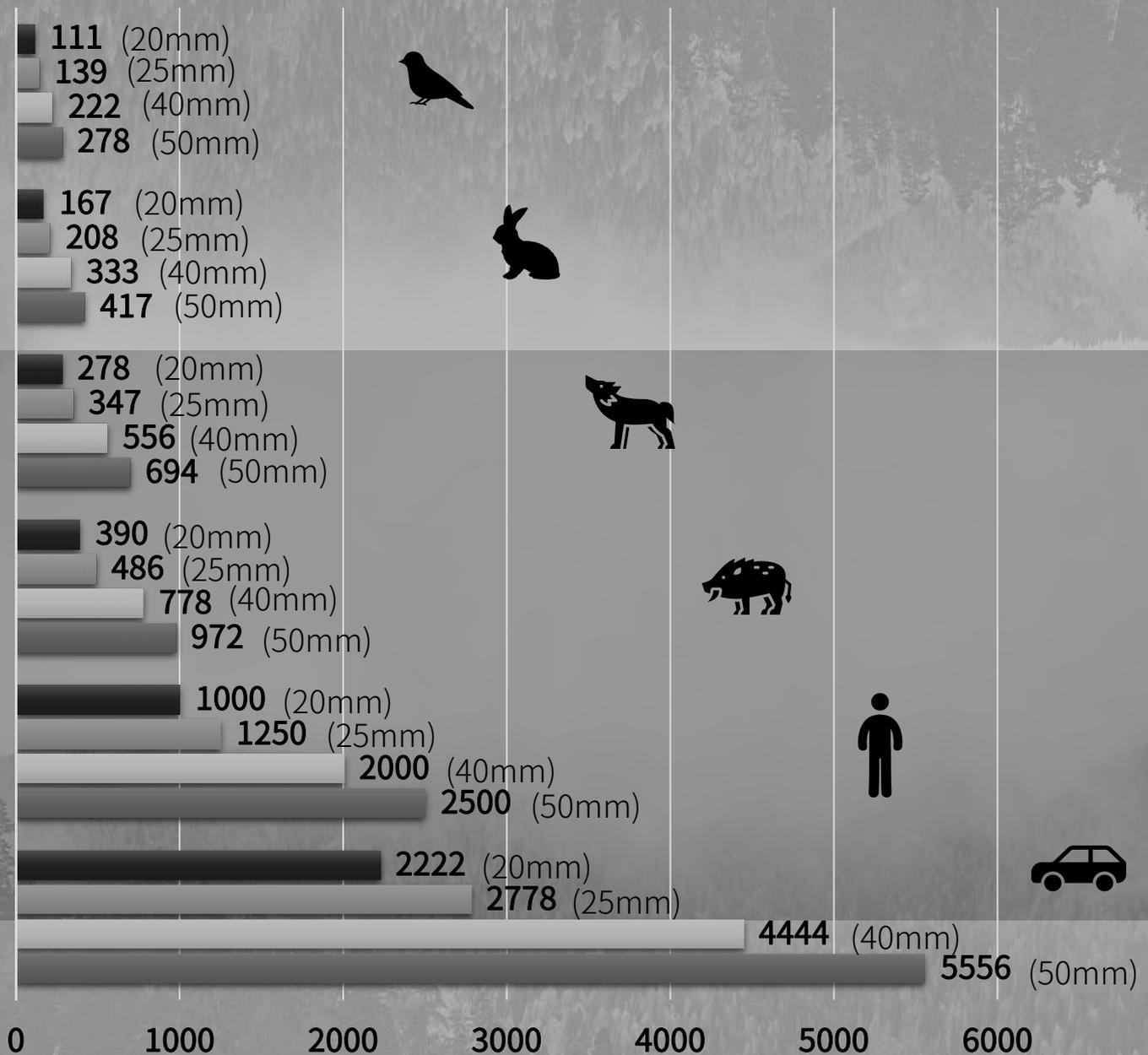
## Joystick Control

The well-designed joystick performs an easy operation on menu operations by toggling the button in any direction.



## Long Detection Range

- With up to 50mm objective lens and advanced thermal imaging hardware, It boasts exceptional detection range of up to 5,556 meters in complete darkness.



# Real-time APP Notification



The “Smart Thermal” APP can instantly pop up a notification while the monocular detecting and identifying the target to avoid any distraction.



See live views from the monocular on your smart phone via “Smart Thermal” APP.

Download and install the “Smart Thermal” APP:



IOS



Andriod

## Other Features



### Two Image Modes

Designed with both WDR (Wide Dynamic Range) mode and Object mode, it captures details clearly under different scenarios as needed.



### AI Rangefinder

Based on our independently developed deep learning algorithm, the monocular is able to automatically measure the object distance and enhance the accuracy of shooting.



### Electronic Image Stabilization

It provides clear and precise images even in scenes with lots of motion.



### Two Way Wi-Fi Connection

Support both Wi-Fi and hotspot connections; Real-time image transmission.



### GPS Function

Enable users to know their coordinates in real time, which makes field activities safer.



### High Degree of Protection

IP67 water-proof, dust-proof and fog-proof; 1m drop resistance.

# Specifications

Model	Cyclops 340D	Cyclops 350D	Cyclops 640D	Cyclops 650D
Resolution	384x288		640x512	
Pixels pacing	12um			
Spectral range	8-14um			
Frame rate	50HZ			
Objective lens	20/40 F1.0 Dual FOV	25/50 F1.0 Dual FOV	20/40 F1.0 Dual FOV	25/50 F1.0 Dual FOV
Field of view	13.1°x9.9° 6.6°x4.9°	10.5°x7.9° 5.3°x4.0°	21.7°x17.5° 11.0°x8.8°	17.5°x14.0° 8.8°x7.0°
Magnification	1.9X-3.8X	2.4X-4.8X	1.1X-2.2X	1.4X-2.8X
Zoom	1-6X			
Color palette	6			
Image model	WDR (Wide Dynamic Range) Mode; Object Mode			
<b>Display</b>				
Type	AMOLED			
Resolution	1024x768			
Display size	0.39 inch			
Eye relief	40mm			
Diopter	-5~+5			
Exit pupil	6mm			
<b>Operational Characteristics</b>				
Photo/video playback	Support			
Memory card	32G			
Picture-in-picture	Support			
Wi-Fi	Support			
AI ranging	Support			
MIL ranging	Support			
Push notification	Support			
Motion trajectory	Support			
<b>Battery</b>				
Internal battery	18650x2			
Battery life	12h			
<b>Environmental Characteristics</b>				
Operating temperature	-20°C—+50°C			
Waterproofing grade	IP67			
Weight,g	550	600	550	600
Size,mm	200x66x62	200x66x62	200x66x62	200x66x62



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