



CYCLOPS SERIES

Thermal Imaging Monocular

SPECIFICATIONS





THERMAL MONOCULAR SPECIFICATIONS

Model	CP315	CP319	CP325	CP335	CP350	CP635	CP650
Sensor Parameter							
Detector Type	Vox Microbolometer						
Resolution / Pixel Spacing	384x288/12um					640x512/12um	
NETD	≤40mk@300k					≤35mk@300k	
Frame Rate	50Hz						
Spectral Range	8~14μm						
Lens (manual focus)	15mm (F/0.9)	19mm (F/1.0)	25mm (F/1.0)	35mm (F/1.0)	50mm (F/1.0)	35mm (F/1.0)	50mm (F/1.0)
FOV	17.5° x 13.1°	13.8° x 10.4°	10.5° x 7.9°	7.5° x 5.6°	5.3° x 4.0°	12.5° x 10°	8.8° x 7.0°
Magnification	1.4X	1.8X	2.4X	3.3X	4.8X	2.0X	2.8X
Image Processing							
Digital Zoom	1 - 6X continuous zoom						
Color Palette	5+						
Noise Reduction	3D noise reduction						
Image Enhancement	IDE; HDR						
Display							
OLED	0.39 inch; 1024×768 resolution						
Diopter Control	-5~+5						
Eye Distance	40mm						
Function							
OLED	8 modes						
Language	English						
Reticle	6+, adjustable coordinates						
Memory Card	16G						
AI Distance Measurement	Yes						
Photo, Record, Playback	Yes						
Heat Track	Yes						
Laser Indicator	No						
GPS	Yes						
Power							
Battery Type	Internal Cell (18650 Li battery x 2)						
Battery Life	Continuous working time ≥ 12h						
Interface							
Type-C	Power charge; read data; output analog video						
Wi-Fi	Two-way Wi-Fi connection; APP remote control						
Environmental Parameters							
Working Temperature	-20°C~+55°C						
Protection Level	IP67; 1 meter drop resistance						
Physical Parameters							
Weight	550g (with battery)						
Size	67mm×63mm×190mm						
Accessories							
External Cable	Analog video cable; USB data cable						
Other Accessory	Wrist strap; plush bag; user manual						

PRODUCT RANGE PERFORMANCE

