

# PRODUCT TECH SHEET



MODEL	CONDOR CH25L			 HIKMICRO		
STYLE	Thermal Monocular					
RELEASE	Feb 2024	RRP	\$2,699			
					DIMENSIONS	
					LENGTH	181mm (7.1")
					WIDTH	53mm (2.1")
					HEIGHT	86mm (3.4")
					WEIGHT	386g (excl batt)
					PROTECTION	
IP67 (water resistant to 1m for 30 mins)						
POWER						
1 x 18650 External Li-Ion Battery						
SUMMARY						
<p>A premium range of four Thermal Monoculars, the <b>CONDORS</b> have it all - and the entry-level <b>CH25L</b> starts off with a host of top features...</p> <p>Featuring a powerful 384 pixel detector, a 25 mm focal length and an impressive 2.5x magnification, the <b>CH25L</b> offers a remarkable field of view of 18 meters. This makes it an amazing all-round thermal scope - but one that showcases its exceptional spotting capabilities in forest environments.</p> <p>The <b>CONDOR CH25L</b> thermal monocular comes with three replaceable and rechargeable 18650 batteries, providing around 12 hours of operation with battery swaps, and special intelligent standby features that kick-in when the monocular is not being held to the eye, extending battery life without having to constantly turn the unit on and off.</p> <p>To round off this premium monocular, a light, compact design, an easy-grasp shape and soft-grip materials offer comfortable operation for both left- and right- hand users.</p>						
KEY FEATURES						
<ul style="list-style-type: none"><li>• 384 × 288 resolution, @12µm thermal detector for amazing thermal detail.</li><li>• High sensitivity thermal module NETD &lt;20mK (@25°C, F# = 1.0), ensuring perfect image quality and detail recognition even in the toughest weather conditions.</li><li>• 25mm F1.0 lens with an 18.3m x 13.8m wide field of view at 100m, plus detection range up to a whopping 1200m.</li><li>• 1024 × 768 resolution 0.39-inch OLED visual scope display for excellent clarity.</li><li>• Picture and video recording using on-board, in-built 64GB memory.</li><li>• Powered by one 18650 external Li-ion battery, providing around 2-4 hours of operation depending on feature usage like hot-spotting or external screens. The battery can be swapped out when discharged and replaced with another of the three supplied 18650 batteries.</li><li>• Waterproof with an IP67 rating for tackling the toughest of conditions.</li><li>• Three Year HikMicro Warranty for peace-of-mind.</li></ul>						

**TECHNICAL DETAILS****[3 Year Warranty]****THERMAL MODULE:**

Image Sensor  
Maximum Resolution (Thermal)  
Frame Rate  
Pixel Interval  
Response Waveband  
NETD  
Lens (Focal Length)  
Focus Mode  
Detection Range  
Minimum Focusing Distance  
Magnification  
Field of View (HxV), Degrees/m @100m

VOx Uncooled Focal Plane Arrays  
384 x 288  
50Hz  
12µm  
8µm to 14µm  
Less than 20mK (@25°C), F# = 1.0  
25mm, F1.0  
Focus Ring  
1200m  
2.5m  
2.5× to 20.0× (8x)  
10.5° × 7.9°/18.3m × 13.8m

**IMAGE DISPLAY:**

Display  
FFC (Flat Field Correction) Mode  
Palettes  
Exit Pupil  
Eye Relief  
Diopter (Range)  
Brightness Adjustment  
Tone Adjustment  
Contrast Adjustment  
Image Pro  
Zoom Pro

1024 × 768, 0.39-inch OLED  
Auto, Manual, External Correction  
Black Hot, White Hot, Red Hot, Fusion.  
4mm  
15mm  
-5 D to +3 D  
Yes  
Cold, Warm  
Yes  
Yes  
Yes

**SYSTEM:**

Capture Snapshot  
Audio Recording  
Video Recording  
File Storage  
PiP  
Hotspot  
Hot Track  
Distance Measurement  
Standby Mode

Yes  
Yes  
Yes  
Built-in EMMC (64GB)  
Yes  
Yes  
Yes  
Yes  
Yes (Laser)  
Yes

**POWER SUPPLY:**

Battery Type  
Battery Operating Time

One replaceable and rechargeable 18650 battery (external)  
<4.5 hours continuous running with CVBS and hotspot function turned off (@25°C)  
<2.5 hours continuous running with CVBS and hotspot function turned on (@25°C)

Type-C Power Supply  
Boot Time

5V DC, 2A. Supports External Power Supply  
3 Seconds

**GENERAL:**

Dimensions  
Weight  
Working Temperature  
Protection Level

180.7 mm × 52.7 mm × 85.4 mm  
386 g without external battery  
-30°C to +55°C  
IP67

**LASER RANGEFINDER:**

Safety Class for Laser  
Wavelength  
Maximum Measuring Range  
Measurement Accuracy  
Minimum Measuring Range

Class 1  
905nm  
1000m  
±1m  
10m



Connect to the **HikMicro SIGHT App** for greater functionality.

