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VISION

# ASP-MICRO

## THERMAL IMAGING MONOCULAR



The Asp-Micro handheld observational thermal monocular is equipped with a 160×120 or 384×288 infrared detector and a 720×540 LCOS display. It supports functions of observation, highest temperature target tracking, distance measurement, Wi-Fi hotspot, and so on. The high-sensitivity built-in thermal detector provides you with clear view even in total darkness. The monocular is mainly applied to scenarios such as patrolling, law enforcement, searching and rescuing, drug enforcement, anti-smuggling, criminal seizing, hiking, travel, and hunting, etc.

- 160×120 or 384×288 resolution, high sensitivity detector
- Adaptive AGC, DDE, 3D DNR
- 720×540 resolution LCOS display
- Built-in rechargeable Lithium battery
- More than 7 hours continuous running (with Wi-Fi hotspot function off)
- Wi-Fi hotspot
- Type-C interface
- Limited 3-year warranty

## FUNCTIONS

### Distance Measurement:

The device realizes distance measurement function after marking the top and bottom of target, and input the target height.

### Hot Spot Mark:

The device detects and marks the hot spot of highest temperature.

### Mode Switch:

Device supports pallet switch and distance measurement.

### Storage:

Built-in memory module supports video recording/snapshot capturing.

### Digital Zoom:

Device supports 1x, 2x, and 4x digital zoom.

### Wi-Fi Hotspot:

Device can capture snapshots, record videos, and set parameters via APP after being connected to your phone.



## SPECIFICATIONS

	Asp-Micro TM160	Asp-Micro TM384
Detector Type	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
Resolution	160x120	384x288
Refresh Rate	50 Hz	50 Hz
Response Waveband	8µm to 14µm	8µm to 14µm
NETD	Less than 35 mk (@25°C), F#=1.1	Less than 35 mk (@25°C), F#=1.0
Lens (Focal Length)	6.2 mm	15 mm
Aperture	F1.1	F1.0
Field of View	15.61° × 11.74° (H × V)	16.51° × 12.42° (H × V)
Digital Zoom	2x, 4x	2x, 4x, 8x
Monitor	720x540, 0.2 inch, LCOS	720x540, 0.2 inch, LCOS
FFC (Flat Field Correction)	Auto, Manual, External Correction	Auto, Manual, External Correction
Palettes	Black Hot, White Hot, Red Hot, Fusion	Black Hot, White Hot, Red Hot, Fusion
Highest Temperature Spot Tracking	Yes	Yes
Wi-Fi Hotspot	Yes	Yes
Standby Mode	Yes	Yes
Storage	Built-in memory module (8 GB)	Built-in memory module (8 GB)
Record Video	On-board video recording	On-board video recording
Capture Snapshot	Yes	Yes
CVBS Output	Yes (via USB)	Yes (via USB)
Multi Language menu	Yes	Yes
Battery Type	Built-in rechargeable Lithium battery	Built-in rechargeable Lithium battery
Battery Operating Time	More than 7 hours continuous running (with Wi-Fi hotspot function off)	More than 7 hours continuous running (with Wi-Fi hotspot function off)
Battery Capacity Display	Yes	Yes
Power	5 VDC/2 A, 1.5 W	5 VDC/2 A, 1.5 W
Interface	USB Type-C	USB Type-C
Working Temperature	-20°C to 55°C (-4°F to 131°F)	-20°C to 55°C (-4°F to 131°F)
Protection Level	IP67	IP67
Drop Test Height	1.5 m (4.9 feet)	1.5 m (4.9 feet)
Dimension	161 × 61 × 57 mm (6.3 × 2.4 × 2.2 in)	161 × 61 × 57 mm (6.3 × 2.4 × 2.2 in)
Weight	270 g (0.6 lb)	270 g (0.6 lb)

Specifications are subject to change without notice.



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