

ASP-MICRO TM160

THERMAL IMAGING MONOCULAR

The Asp-Micro handheld observational thermal monocular is equipped with a 160×120 infrared detector and a 720×540 LCOS display. It supports functions of observation, highest-temperature target tracking, distance measurement, Wi-Fi hotspot, and more. The high-sensitivity built-in thermal detector provides a clear view even in total darkness. The monocular is mainly used in scenarios such as patrolling, law enforcement, search-and-rescue, drug enforcement, anti-smuggling, hiking, and hunting.

- 160×120 resolution, high sensitivity detector
- Adaptive AGC, DDE, 3D DNR
- 720×540 resolution LCOS display
- Built-in rechargeable Lithium battery
- Up to 10 hours continuous running (with Wi-Fi hotspot function off)
- Wi-Fi hotspot
- Type-C interface
- 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 capture.

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

Model	Asp-Micro TM160
Detector Type	Vanadium Oxide Uncooled Focal Plane Arrays
Resolution	160x120
Refresh Rate	25 Hz
Response Waveband	8µm to 14µm
NETD	Less than 35 mk (@25°C), F#=1.1
Lens (Focal Length)	6.2 mm
Aperture	F1.1
Field of View	15.61° × 11.74° (H × V)
Detection Range (6' object)	250 m/yd
Digital Zoom	1x, 2x, 4x
Monitor	720x540, 0.2 inch, LCOS, 50 Hz
FFC (Flat Field Correction)	Auto, Manual, External Correction
Palettes	Black Hot, White Hot, Red Hot, Fusion
Highest Temperature Spot Tracking	Yes
Wi-Fi Hotspot	Yes
Standby Mode	Yes
Storage	Built-in memory module (8 GB)
Video Recording	On-board video recording
Snapshot Capture	Yes
CVBS Output	Yes (via USB)
Multi Language menu	Yes
Battery Type	Built-in rechargeable Lithium battery
Battery Operating Time	Up to 10 hours continuous running (with Wi-Fi hotspot function off)
Battery Capacity Display	Yes
Power	5 VDC/2 A, 1.5 W
Interface	USB Type-C
Working Temperature	-20°C to 55°C (-4°F to 131°F)
Protection Level	IP67
Drop Test Height	1.5 m (4.9 feet)
Dimensions	161 × 61 × 57 mm (6.3 × 2.4 × 2.2 in)
Weight	270 g (0.6 lb)

Specifications are subject to change without notice.



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