



AGM
GLOBAL
VISION

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 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 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
- 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 |
|-----------------------------------|---|
| 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) |
| Record Video | On-board video recording |
| Capture Snapshot | 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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