

# 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
- Video recording and image capture
- Wi-Fi hotspot
- Built-in rechargeable Lithium battery
- Up to 10 hours continuous running (with Wi-Fi hotspot function off)
- 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 AGM Connect app after being connected to your phone.



## SPECIFICATIONS

|                                   |   |
|-----------------------------------|---|
| Detector Type                     | 17µm Vanadium Oxide Uncooled Focal Plane Array                      |
| Resolution                        | 160x120   |
| Refresh Rate                      | 25 Hz   |
| Response Waveband                 | 8µm to 14µm   |
| NETD                              | Less than 35 mk (@25°C), F#=1.1                                     |
| Lens System                       | 6.2 mm; F1.1  |
| Magnification                     | 1x - 4x   |
| Field of View                     | 24.7° x 18.7° (H x V)   |
| Detection Range (6' object)       | 250 m/yd  |
| Digital Zoom                      | 1x, 2x, 4x  |
| Monitor                           | 720x540, 0.2 inch, LCOS, 50 FPS                                     |
| 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  |
| Image 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 x 61 x 57 mm (6.3 x 2.4 x 2.2 in)                               |
| Weight                            | 0.25 kg (0.55 lb)   |

Specifications are subject to change without notice.



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