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ASP TM35-384 ASP TM35-640

THERMAL IMAGING MONOCULAR



The Asp handheld observational thermal monocular is equipped with a 384x288 or 640x512 infrared detector and a 1024x768 OLED display. It supports functions of observation, hot spot 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.

- 384x288 or 640x512 resolution, high sensitivity detector
- Adaptive AGC, DDE, 3D DNR
- 1024x768 resolution 0.39-inch OLED display
- Built-in memory supports video recording/snapshot capturing
- Wi-Fi hotspot
- Built-in rechargeable Li-Ion battery
- Up to five hours continuous running (with Wi-Fi hotspot function off)
- 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.



Equipment described herein is subject to US export regulations and may require a license prior to export. Diversion contrary to US law is prohibited.

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SPECIFICATIONS

| | Asp TM35-384 | Asp TM35-640 |
|-----------------------------|--|--|
| Detector Type | Vanadium Oxide Uncooled Focal Plane Arrays | Vanadium Oxide Uncooled Focal Plane Arrays |
| Resolution | 384 × 288 | 640 × 512 |
| Refresh Rate | 50 Hz | 50 Hz |
| Detector Pitch | 17µm | 17µm |
| Response Wavelength | 8µm to 14µm | 8µm to 14µm |
| NETD | < 35mk (@25°C, F#=1.0) | < 35mk (@25°C, F#=1.0) |
| Lens Focal Length | 35mm | 35mm |
| Field of View | 10.7° × 8° | 17.7° × 14.2° |
| F-number | 1.0 | 1.0 |
| Optical Magnification | 2.4x | 1.4x |
| Digital Zoom | 1x, 2x | 1x, 2x, 4x |
| 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 |
| Monitor | 0.39-inch, OLED, 1024 × 768 | 0.39-inch, OLED, 1024 × 768 |
| Hot Track | Yes | Yes |
| Storage | Built-in memory module (16GB) | Built-in memory module (16GB) |
| Record Video | Support on-board video recording | Support on-board video recording |
| Capture Snapshot | Yes | Yes |
| Wi-Fi | Yes, Hotspot | Yes, Hotspot |
| Battery | Built-in rechargeable Lithium battery | Built-in rechargeable Lithium battery |
| Battery Operating Time | Up to 5 hours continuous running | Up to 5 hours continuous running |
| Battery Capacity Display | Yes | Yes |
| Power | 5V DC/2A, 2W | 5V DC/2A, 2W |
| Working Temperature | -30°C to 55°C (-22°F to 131°F) | -30°C to 55°C (-22°F to 131°F) |
| Protection Level | IP67 | IP67 |
| Dimensions | 202 × 74 × 66 mm (7.9 × 2.9 × 2.6 in) | 202 × 74 × 66 mm (7.9 × 2.9 × 2.6 in) |
| Weight | 480 g (16.9 oz) | 480 g (16.9 oz) |

Specifications are subject to change without notice.



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