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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
CVBS Output	No	Yes (via USB)
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
Interface	Micro USB	USB Type C
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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