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VISION

# ASP TM35-640

## THERMAL IMAGING MONOCULAR



The Asp handheld observational thermal monocular is equipped with a 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.

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

Specifications are subject to change without notice.



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