



AGM
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VISION

TAIPAN

THERMAL IMAGING MONOCULAR



The Taipan handheld observational thermal monocular is equipped with a 384x288 infrared detector and a 1280x960 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.

- 384x288 resolution, 12 μm , high sensitivity detector
- Adaptive AGC, DDE, 3D DNR
- 1280 x 960 resolution 0.4-inch LCOS display
- Built-in rechargeable Lithium battery
- More than 7.5 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, 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.



SPECIFICATIONS

| | Taipan TM15-384 | Taipan TM19-384 | Taipan TM25-384 |
|-----------------------------------|--|--|--|
| Detector Type | Vanadium Oxide Uncooled Focal Plane Arrays | Vanadium Oxide Uncooled Focal Plane Arrays | Vanadium Oxide Uncooled Focal Plane Arrays |
| Resolution | 384x288 | 384x288 | 384x288 |
| Pixel Interval | 12 µm | 12 µm | 12 µm |
| Refresh Rate | 50 Hz | 50 Hz | 50 Hz |
| Response Waveband | 8µm to 14µm | 8µm to 14µm | 8µm to 14µm |
| NETD | Less than 35 mk (@25°C), F#=1.0 | Less than 35 mk (@25°C), F#=1.0 | Less than 35 mk (@25°C), F#=1.0 |
| Detection Range | 708 m | 897 m | 1180 m |
| Lens (Focal Length) | 15 mm | 19 mm | 25 mm |
| Aperture | F1.0 | F1.0 | F1.0 |
| Field of View | 17.5° x 13.1° (H x V) | 13.8° x 10.4° (H x V) | 10.5° x 7.9° (H x V) |
| Magnification | 1.5x | 1.9x | 2.5x |
| Digital Zoom | 2x, 4x, 8x | 2x, 4x, 8x | 2x, 4x, 8x |
| Monitor | 1280x960, 0.4 inch, LCOS | 1280x960, 0.4 inch, LCOS | 1280x960, 0.4 inch, LCOS |
| FFC (Flat Field Correction) | Auto, Manual, External Correction | Auto, Manual, External Correction | Auto, Manual, External Correction |
| Palettes | Black Hot, White Hot, Red Hot, Fusion | Black Hot, White Hot, Red Hot, Fusion | Black Hot, White Hot, Red Hot, Fusion |
| Highest Temperature Spot Tracking | Yes | Yes | Yes |
| Wi-Fi Hotspot | Yes | Yes | Yes |
| Standby Mode | Yes | Yes | Yes |
| Storage | Built-in memory module (8 GB) | Built-in memory module (8 GB) | Built-in memory module (8 GB) |
| Record Video | On-board video recording | On-board video recording | On-board video recording |
| Capture Snapshot | Yes | Yes | Yes |
| CVBS Output | Yes (via USB) | Yes (via USB) | Yes (via USB) |
| Multi Language menu | Yes | Yes | Yes |
| Battery Type | Built-in rechargeable Lithium battery | Built-in rechargeable Lithium battery | Built-in rechargeable Lithium battery |
| Battery Operating Time | More than 7.5 hours continuous running (with Wi-Fi hotspot function off) | More than 7.5 hours continuous running (with Wi-Fi hotspot function off) | More than 7.5 hours continuous running (with Wi-Fi hotspot function off) |
| Battery Capacity Display | Yes | Yes | Yes |
| Power | 5 VDC/2 A, 1.5 W | 5 VDC/2 A, 1.5 W | 5 VDC/2 A, 1.5 W |
| Interface | USB Type-C | USB Type-C | USB Type-C |
| Working Temperature | -20°C to 55°C (-4°F to 131°F) | -20°C to 55°C (-4°F to 131°F) | -20°C to 55°C (-4°F to 131°F) |
| Protection Level | IP67 | IP67 | IP67 |
| Drop Test Height | 1.5 m (4.9 feet) | 1.5 m (4.9 feet) | 1.5 m (4.9 feet) |
| Dimension | 158 x 61 x 57 mm (6.23 x 2.4 x 2.2 in) | 171 x 61 x 57 mm (6.73 x 2.4 x 2.2 in) | 171 x 61 x 57 mm (6.73 x 2.4 x 2.2 in) |
| Weight | 290 g (0.64 lb) | 310 g (0.68 lb) | 300 g (0.69 lb) |

Specifications are subject to change without notice.



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