**Dahua** TECHNOLOGY

# Integrated Mount Tester

- Ergonomic, Portable Design with One-hand Operation
- 4-in. IPS TFT Screen, 800 x 480 Resolution
- H.265 and H.264 Dual Codecs
- QWERTY Flip-open Keyboard with 45 Keys
- Supports IP, HDCVI, AHD, TVI, and CVBS Formats
- Audio and RS485 Control
- TDR Network Cable Tests and Digital Multimeter Functions
- PoE+ and 12 VDC, 2 A Power Output
- 7.4 W / 22 Wh Polymer Lithium Ion Battery, up to 8 Hours Normal Operation
- Dual LED Flashlight

## Technical Specifications

### Physical Port

| | |
|---|---|
| Network Ports | Two (2) 10/100/1000 Mbps RJ45 (LAN/PSE, PD) |
| BNC Port | One (1) Video In (HDCVI, TVI, AHD, CVBS)<br>One (1) Video Out |
| Functional Ports | One (1) RS485 Output<br>One (1) 12 VDC Output (charge)<br>One (1) Mini USB Connector<br>One (1) Audio Input (3.5 mm)<br>One (1) Reset Button<br>One (1) Power Switch |

### IP Camera Tests

| | |
|---|---|
| IP Camera Type | ONVIF (with PTZ control), RTSP, RTP |
| IP Camera Test | ONVIF Camera Auto-scan<br>Manual IP Camera Add<br>UDP/TCP Real-time Video Display<br>8x Digital Zoom<br>Snapshot, Record, Photo View and Playback |

### Analog Video Test

| | | |
|---|---|---|
| Format | | HDCVI, AHD, TVI, CVBS |
| Video Input | | One (1) BNC |
| Supported Video Formats | HDCVI | 1280 x 720p at 25 fps, 30 fps, 50 fps, 60 fps<br>1920 x 1080p at 25 fps, 30 fps<br>2560 x 1440p at 25 fps, 30 fps |
| | TVI | 1280 x 720p at 25 fps, 30 fps, 50 fps, 60 fps<br>1920 x 1080p at 25 fps, 30 fps<br>2048 x 1536 at 18 fps, 25 fps, 30 fps<br>2560 x 1440 at 15 fps, 25 fps, 30 fps<br>2592 x 1944 at 12 fps, 20 fps |
| | AHD | 1280 x 720p at 25 fps, 30 fps<br>1920 x 1080p at 25 fps, 30 fps<br>2560 x 1440p at 15 fps, 18 fps, 25 fps, 30 fps |
| | CVBS | One (1) Channel In, One (1) Channel Out,<br>Supports Auto-adapting PAL/NTSC formats |
| | Camera Test | Real-time Video,<br>HD Coaxial PTZ and RS485 Control<br>Audio Test<br>Full-screen preview and 8x Digital Zoom<br>Snapshot, Record, Photo View and Video Playback |

### PTZ Control

| | |
|---|---|
| Protocol | Compatible with over 30 protocols, including Pelco D/P, Samsung, and Panasonic |
| Baud Rate | 150 bps, 300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps |

### Cable Tester

| | |
|---|---|
| Network Cable | TDR Method<br>Measurement Resolution: 0.1 m<br>Accuracy: ≤ 1 m |

### Tools

| | |
|---|---|
| Network Tool | IP Address Scan, Ping Test, DHCP Server,<br>Ethernet Link Detection, Ethernet Loop Detection,<br>Data Link Quality Detection, Ethernet Flow Detection |
| Digital Multimeter (DMM) | AC/DC Voltage, AC/DC Current, Resistance,<br>Capacitance, Diode Forward Voltage,<br>Open and Short Testing |
| Data Monitor | Capture and analyze command data from controlling device via RS485 Port |
| LED Flashlight | Two (2) 35 lm LED Lights (Astigmatism) |
| Audio | Test Microphone or Other Audio Input Device (via 3.5 mm Audio Port) |
| USB Storage | Test USB Storage Devices (via Mini USB Port) |
| System Upgrade | Update PFM900-E Tester via Online Update |

## System Information

| | |
|---|---|
| Screen | 4.0-in. TFT, 800 x 480 Resolution, 16.7 Million Colors, Backlight Brightness Adjustable |
| Storage Capacity | Built-in 8 GB Flash Memory |
| Language Support | English, Chinese, Czech, French, German, Hebrew, Romanian, Serbian, Spanish, Turkish and others |
| Automatic Power Off | Disable or 5 to 60 minutes |
| Keyboard Tone | On/Off |

## Power

| | |
|---|---|
| Charger | PoE Power Injector<br>Input: 100 VAC to 230 VAC, 50/60 Hz<br>Output: 48 V, 15 W |
| Battery | 7.4 V Polymer Lithium Ion Battery, 22 Wh |
| Working Time | 8 Hours, after 3 to 4 hours charging |
| PoE+ Power Out | 25.5 W, maximum (802.3at) |
| Power Out | 12 VDC, 2 A, maximum |

## Certifications

| | |
|---|---|
| Safety | EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2014 |
| Electromagnet Compatibility (EMC) | EN 55032:2015<br>EN 55024:2010+A1:2015<br>EN 61000-3-2:2014<br>EN 61000-3-3:2013 |
| RoHS | EN 62321-1:2013 |

## Environmental

| | |
|---|---|
| Working Temperature | −10° C to +55° C (14° F to 131° F), 30% to 90% RH |
| Casing | Plastic |
| Dimensions | 190.0 mm x 115.0 mm x 37.30 mm<br>(7.48 in. x 4.53 in. x 1.47 in.) |
| Net Weight | 0.50 kg (1.10 lb) |
| Packaging Dimensions | 275.0 mm x 170.0 mm x 116.0 mm<br>(10.83 in. x 6.69 in. x 4.57 in.) |
| Gross Weight | 1.60 kg (3.53 lb) |

## Ordering Information

| Type | Part Number | Description |
|---|---|---|
| Integrated Mount Tester | PFM900-E | 4-in. TFT Screen, IP/Analog Tester |
| Package Contents | 1 | Integrated Mount Tester |
| | 1 | Polymer Lithium Ion Battery |
| | 2 | Lanyards |
| | 1 | Tool Bag |
| | 1 | Power Input Cable for PoE Power Injector |
| | 1 | Network Cable |
| | 1 | BNC Cable |
| | 1 | RS485 Test Connectors |
| | 1 | 12 V Power Output Cable |
| | 1 | Audio Test Leads |
| | 1 | Mini USB/USB Cable |
| | 1 | Digital Multimeter Probe |
| | 1 | User Manual |
| | 1 | Warranty Card |

## Dimensions (mm/inch)

37.80 mm (1.49 in.)

115.0 mm (4.53 in.)

37.30 mm (1.47 in.)

190.0 mm (7.48 in.)