

Integrated Mount Tester



- Ergonomic, Portable Design with One-handed 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 I/O and RS485 Control
- TDR Network Cable Tests and Digital Multimeter Functions
- PoE Charging 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

System	
Operating System	Linux
Language	Multi-language interface: Chinese, Czech, English, French, German, Hebrew, Japanese, Persian, Polish, Portuguese, Romanian, Russian, Serbian, Spanish, Turkish
Operation Mode	Buttons and Keyboard
Keyboard	Main Keyboard: 13 Keys Flip Keyboard: 45 Keys Others: Power button, reset button
Keyboard Sound	Enable/Disable
LED Flashlight	Two (2) 35 lm LED Lights
Screen	4.0-in. TFT, 800 x 480 Resolution
Update	Online and Local Update
Physical Ports	
Network Ports	Two (2) 10/100/1000 Mbps RJ45
Power	One (1) Standard PoE Charging Port (IEEE802.3af) One (1) 12 VDC, 2 A Output
BNC Port	One (1) Video In (HDCVI, TVI, AHD, CVBS) One (1) Video Out
Audio	Input: One (1), 3.5 mm Output: One (1), 3.5 mm
USB	One (1) Mini USB-B Connector
RS485	One (1) RS485 Output
Digital Multimeter	Three (3) Ports
IP Camera Tests	
IP Camera Type	ONVIF
Resolution	1 MP, 1.3 MP, 2 MP, 3 MP, 4 MP, 5 MP, 6 MP, 8 MP, and 12 MP
Video Display	Live View, Snapshots, Record, Digital Zoom, H.264/H.265 Decoding,
Function Control	IP Camera modifications including: IP Address, Account Password, and Restore Factory Settings

Analog Video Test

Format		HDCVI, HDTVI, AHD, and CVBS (NTSC, PAL)
Resolution	HDCVI	2 MP at 30 fps, 4 MP at 30 fps 5 MP at 20 fps, 6 MP at 20 fps 8 MP at 15 fps
	HDTVI	2 MP at 30 fps, 4 MP at 30 fps 5 MP at 20 fps
	AHD	2 MP at 30 fps, 4 MP at 30 fps
	CVBS	NTSC, PAL
Function Control		OSD Menu Display and PTZ Control
Video Display		Live View, Snapshots, Record, and Digital Zoom
Video Signal Generator		Generate PAL and NTSC video test signals Generate HDCVI, HDTVI, and AHD video test signals at 720/1080P

RS-485 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 Measurement Resolution: 0.1 m Accuracy: ≤ 1 m
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Tests

Network Tool	IP Address Scan, Ping Test
Network Cable Test	Test the length and attenuation of a network cables Test range: 1.0 m to 130.0 m (3.28 ft to 426.51 ft) (The maximum length varies based on cable material)
Voltage Test	Display Voltage, Data Transmission, and Signal Strength of a PoE/PSE Device
Digital Multimeter (DMM)	AC/DC Voltage, AC/DC Current, Resistance, Capacitance, Diode, Circuit Conductivity
Data Monitor	Capture and analyze command data from controlling device via RS485 Port
Audio	One (1) Channel Audio Input One (1) Channel Audio Output
USB Storage	Test USB Storage Devices (via Mini USB Port)

Power

Charger	PoE Power Injector 48 V, 15 W
Battery	Dedicated and Replaceable 7.4 V Polymer Lithium Ion Battery, 22 Wh
Working Time	8 Hours
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 EN 55024:2010+A1:2015 EN 61000-3-2:2014 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 95% RH
Casing	Yellow Plastic
Dimensions	193.0 mm x 115.0 mm x 37.10 mm (7.60 in. x 4.53 in. x 1.46 in.)
Net Weight	0.54 kg (1.19 lb)
Packaging Dimensions	275.0 mm x 170.0 mm x 116.0 mm (10.83 in. x 6.69 in. x 4.57 in.)
Gross Weight	1.50 kg (3.31 lb)

Ordering Information

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

Dimensions (mm/inch)

