

DH-PFM906-E

Integrated Mount Tester



- Supports IPC, HDCVI, AHD, HDTVI, CVBS and SDI monitor video display.
- HDMI input and output.
- 12 VDC 2A and USB 5V 2A output.
- 7-in 1080p HD full-angle retina capacitive IPS touchscreen.
- TDR network cable test and cable tracker function.
- Optical power meter function.



System Overview

Powered by Android system, the Integrated Mount Tester is a highly accurate test tool that aids in on-the-spot installation and maintenance of video surveillance devices. It boasts a 7-in touchscreen that is easy to use and comfortable to the touch. Support a series of functions required for security projects, such as IPC, HDCVI, AHD, TVI, and CVBS monitor video display, SDI testing, RS485 control, Wi Fi signal testing, protocol code capture and optical power meter, digital multimeter testing functions, etc.

Technical Specification

System

Operation System	Android
Language	Support Chinese, English, Polish, Italian, Korean, Russian, Spanish, Japanese, French, German, Turkish, Serbian
Operation mode	Key operation, touch screen control
Auto Standby/Power Off	Support for setting automatic standby and automatic shutdown
Keyboard Sound	On/Off
Display Screen	7-inch, IPS high-definition full view retinal capacitive touch screen with a resolution of 1920 × 1080P
Button	Keypad: 14 keys Others: On-off button
LED	35lm 5mm LED light
Wi-Fi	Frequency: 2.4G/5.8G Protocol: IEEE802.11a/b/g/n/ac

Update	Supports online and local update
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Structure&Environment

Net Weight	0.95kg (2.09 lb)
Gross Weight	2.1kg (4.63 lb)
Product Dimensions	270.0 mm × 160.0 mm × 46.0 mm (10.63" × 6.30" × 1.81") (L × W × H)
Packaging Dimensions	313.0 mm × 286.0 mm × 96.0 mm (12.32" × 12.32" × 3.78") (L × W × H)
Operating Temperature	-10 °C to +55 °C (14 °F to 131 °F)
Operating Humidity	30%~90% (RH)
Storage Temperature	-20 °C to +70 °C (-4 °F to 158 °F)
Storage Humidity	30%~90% (RH)
Appearance Color	Yellow

IPC Test

Camera Access	ONVIF and Dahua private protocol
Resolution	1MP,1.3MP,2MP,3MP,4MP,5MP,6MP,8MP,12MP
Initialization	Yes
Image	Live view, snapshot and recording, zoom, and H.264/H.265 decoding
Function Control	Modify the IPC resolution, IP address and account password. Control IPC to restore factory defaults

Analog Video Test

Video Format	HDCVI; HDTVI; AHD; CVBS (NTSC, PAL)
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Resolution	HDCVI: 2MP@25/30fps, 4MP@25/30fps, 5MP@20fps, 6MP@20fps, 4K@12.5/15/25/30fps HDTVI: 2MP@25/30fps, 4MP@25/30fps AHD: 2MP@25fps/30fps, 4MP@25fps/30fps CVBS: NTSC, PAL
Function Control	OSD menu; PTZ control
Image	Live view, snapshot and recording, zoom
Video Signal Generator	PAL; NTSC video test signal
SDI Test	
Resolution	720p@60fps / 1080p@60fps / 1080i@60fps

RS-485 Control

Communication Protocol	More than 30 protocols including Pelco D/P, Samsung, Panasonic, Lilin, Yan, etc
Baud Rate	150bps, 300bps, 600bps, 1200bps, 2400bps, 4800bps, 9600bps, 19200bps, 38400bps, 115200bps

Wireless

Wi-Fi Hotspot	Yes
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Cable Test

Network Cable Test	Test parameters such as network cable pair length, attenuation, delay deviation, reflectivity, impedance, etc; Detect network cable sequence, continuity, and short circuit. Support for generating reports.
Break and Short Circuit Test	Measure the location of disconnected or short circuited BNC cables, network cables, telephone cables, and other cables

DMM

DC Voltage	Range: 660mV (manual only)/6.6V/66V/660V Reading range: -6600~+6600 Minimum resolution: 0.1mV/1mV/1mV/1mV/100mV Accuracy: ± (0.3%+4)
AC Voltage	Range: 660mV (manual only)/6.6V/66V/660V Reading range: -6600~+6600 Minimum resolution: 0.1mV/1mV/1mV/1mV/100mV Accuracy: ± (1.5%+6)/± (0.8%+6)/± (0.8%+6)/± (0.8%+6)/± (0.8%+6)
DC Current	Range: 6.6mA/66mA/660mA/10A Reading range: -6600~+6600 Minimum resolution: 1uA/10uA/100uA/10mA Accuracy: ± (0.5%+3)/± (0.5%+3)/± (0.5%+3)/± (1%+5)
AC Current	Range: 6.6mA/66mA/660mA/10A Reading range: -6600~+6600 Minimum resolution: 1uA/10uA/100uA/10mA Accuracy: ± (0.5%+3)/± (0.5%+3)/± (0.5%+3)/± (1%+5)
Resistance Test	Range: 660.0 Ω/6.6K Ω/66K Ω/660K Ω/6.6M Ω/66M Ω Reading range: 0-6600 Minimum resolution: 0.1 Ω/1 Ω/10 Ω/100 Ω/1K Ω/10K Ω Accuracy: ± (0.8%+5)/± (0.8%+2)/± (0.8%+2)/± (0.8%+2)/± (0.8%+2)/± (1.2%+5)

Capacitance Test	Range: 6.6nF/66nF/660nF/6.6uF/66uF/660uF/6.6mF/66mF Reading range: 0-6600 Minimum resolution: 1pF Accuracy: ± (0.5%+20)/± (3.5%+8)/± (3.5%+8)/± (3.5%+8)/± (3.5%+8)/± (5%+8)/± (5%+8)/± (5%+8)
Diode Voltage Drop	Range: 2V Reading range: 0-2000 Minimum resolution: 1mV Accuracy: ± (0.8%+6) Reference: Schottky diode (0.15~0.25V); Rectifier diode (0.6-1.0V); PN junction of transistor (0.5-0.8V)
Continuity Test	Range: 660 Ω Reading range: 0-6600 Minimum resolution: 0.1 Ω Accuracy: ± (0.8%+5) Judgment path: When the resistance value at two points is less than 30 Ω ± 3 Ω during testing, the instrument emits a long sound

Others

RS-485 Control	Communication protocol: More than 30 protocols including Pelco-D/P, Samsung, Panasonic, Lilin, and Yaan Baud Rate: 150 bps, 300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600bps, 19200 bps
HDMI Test	Supports 1-channel HDMI input testing (up to 4K30fps) Supports 1-channel HDMI output testing
Voltage Test	Display the size of PoE/PSE voltage and line connection status
Audio Test	1 × audio input, and 1 × audio output
Visible Red Light Source	Emit visible red light to detect faults such as breakage, cracking, and bending in the fiber optic line
UTC	Yes
Power Supply for Camera	12 VDC 2A
Network Test	Support functions such as IP address scanning, PING packet testing, bandwidth testing, port flashing, and link scanning
Protocol Code Acquisition	Built-in serial port tool, can receive and display RS485 protocol code data sent by control device, and can also send hexadecimal codes.

Port

Power	1 × charge port, 12 VDC 1 × power output port, 12VDC 2A
Audio Port	1 × audio input port, 1 × audio output port
USB	1 × type-A port
Network Port	2 RJ45 10M/100M/1000M network ports (1 supporting PoE function; 1 supporting PSE IN function) 1 UTP/SCAN interface
SD Card	1 micro SD card slot, supporting memory expansion (up to 32GB; supports FAT32, NTFS formats)
HDMI	1 × HDMI input port 1 × HDMI output port
RS-485	1
VLS	1

OPM	1
Multimeter	4
BNC	4

Power Supply

Power Supply	DC12V2A
Battery	Dedicated replaceable polymer lithium battery with a capacity of 37.0Wh and a working time of approximately 8 hours

Protection

Surge Protection Grade	Common mode: $\pm 2\text{kV}$ Differential mode: $\pm 1\text{kV}$
Statics Protection	Air discharge: $\pm 8\text{kV}$ Contact discharge: $\pm 6\text{kV}$

Certifications

Certifications	CE,FCC
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Dimensions (mm[inch])

