

DH-PFM906-E

Integrated Mount Tester



- Supports IPC, HDCVI, AHD, HDTV, 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.

Series Overview

Dahua Integrated Mount Tester contains majority of the functions that are required for machines used in construction in the security industry. It supports displaying images from the camera, TDR network testing, searching for IP addresses, 12 VDC 2A/PoE power output and Wi-Fi connection.

Technical Specification

System	
Operating System	Android
Language	13 languages including Chinese and English
Operation mode	Physical buttons and touch screen
Auto Standby/Power Off	Supports setting automatic standby and automatic shutdown.
Keyboard Sound	On/Off
Display Screen	7-in 1920 × 1080p HD full-angle retina capacitive IPS touchscreen.
Button	Keypad: 14 keys; Others: Power and on-off button
LED	1 × 35 lm 5mm LED
Update	Supports online and local update
IPC Test	
Camera Access	ONVIF and Dahua private protocol
Resolution	1 MP; 1.3 MP; 2 MP; 3 MP; 4 MP; 5 MP; 6 MP; 8 MP; 12 MP
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; HDTV; AHD; CVBS (NTSC, PAL)
Resolution	HDCVI: 2 MP@25/30 fps, 4 MP@25/30 fps, 5 MP@20 fps, 6 MP@20 fps, 4K@12.5/15/25/30 fps HDTV: 2 MP@25/30 fps, 4 MP@25/30 fps AHD: 2 MP@25 fps/30 fps, 4 MP@25 fps/30 fps 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@60 fps; 1080p@60 fps; 1080i@60 fps
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, 9600 bps, 19200 bps, 38400 bps, 115200 bps
Wireless	
Wi-Fi Hotspot	Yes
Wi-Fi	
Wi-Fi Standard	IEEE 802.11a/b/g/n/ac
Frequency Range	2.4–2.4835GHz and 5.15–5.85GHz

Transmitter Power (EIRP)	<p>CE EIRP: ≤ 20 dBm@2400 MHz–2483.5 MHz; ≤ 23 dBm@5150 MHz–5250 MHz; ≤ 20 dBm@5250 MHz–5350 MHz; ≤ 27 dBm@5470 MHz–5725 MHz; ≤ 14 dBm@5725 MHz–5850 MHz;</p> <p>FCC output power: ≤ 30 dBm@2400 MHz–2483.5 MHz; ≤ 24 dBm@5150 MHz–5250 MHz; ≤ 24 dBm@5250 MHz–5350 MHz; ≤ 24 dBm@5470 MHz–5725 MHz; ≤ 30 dBm@5725 MHz–5850 MHz</p>
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Cable Test

Network Cable Test	Tests the network cable pair length, attenuation, latency skew, reflectivity, impedance, the network cable sequence, short circuits, the opening and closing of the network cables, and other parameters, and then generates reports with the information from the tests.
Break and Short Circuit Test	Measures the location of a disconnection or the short-circuit of BNC cables, network cables, telephone cables, and more.
Cable Tracing	Yes

Others

HDMI Test	1-ch HDMI video input, max. 4K@30 fps; 1-ch HDMI video output
Audio Test	1-ch HDMI video input; 1-ch HDMI video output
Power Supply for Camera	12 VDC 2 A
Network Test	Features IP address scanning, PING test, bandwidth test, port flashing, link scan and other functions.
Voltage Test	Displays the size of PoE/PSE voltage and line connection
Visible Red Light Source	Emits a visible red light to detect various types of faults in the optical fiber line such as breaks, cracks and bends.
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.
UTC	Yes

DMM

DC Voltage	<p>Limit: 660 mV (manual), 6.6 V, 66 V or 660 V Reading range: -6600 to +6600 Min. Resolution: 0.1 mV, 1 mV, 10 mV, or 100 mV Accuracy: $\pm(0.3\%+4)$</p>
AC Voltage	<p>Limit: 660 mV (manual), 6.6 V, 66 V or 660 V Reading range: -6600 to +6600 Min. Resolution: 0.1 mV, 1 mV, 10 mV, or 100 mV Accuracy: $\pm(1.5\%+6)$, $\pm(0.8\%+6)$, $\pm(0.8\%+6)$, $\pm(0.8\%+6)$</p>
DC Current	<p>Limit: 6.6 mA, 66 mA, 660 mA, 10 A Reading range: -6600 to +6600 Min. Resolution: 1 μA, 10 μA, 100 μA, 10 mA Accuracy: $\pm(0.5\%+3)$, $\pm(0.5\%+3)$, $\pm(0.5\%+3)$, $\pm(1\%+5)$</p>
AC Current	<p>Limit: 6.6 mA, 66 mA, 660 mA, 10 A Reading range: -6600 to +6600 Min. Resolution: 1 μA, 10 μA, 100 μA, 10 mA Accuracy: $\pm(0.5\%+3)$, $\pm(0.5\%+3)$, $\pm(0.5\%+3)$, $\pm(1\%+5)$</p>
Resistance Test	<p>Limit: 660.0 Ω, 6.6 KΩ, 66 KΩ, 660 KΩ, 6.6 MΩ Reading range: 0–6600 Min. Resolution: 0.1 Ω, 1 Ω, 10 Ω, 100 Ω, 1 KΩ, 10 KΩ Accuracy: $\pm(0.8\%+5)$, $\pm(0.8\%+2)$, $\pm(0.8\%+2)$, $\pm(0.8\%+2)$, $\pm(0.8\%+2)$, $\pm(1.2\%+5)$</p>

Capacitance Test	<p>Limit: 6.6 nF, 66 nF, 660 nF, 6.6 μF, 66 μF, 660 μF, 6.6 mF, 66 mF Reading range: 0–6600 Min. Resolution: 1 pF Accuracy: $\pm(0.5\%+20)$, $\pm(3.5\%+8)$, $\pm(3.5\%+8)$, $\pm(3.5\%+8)$, $\pm(3.5\%+8)$, $\pm(5\%+8)$, $\pm(5\%+8)$, $\pm(5\%+8)$</p>
Diode Voltage Drop	<p>Limit: 2 V Reading range: 0–2000 Min. Resolution: 1 mV Accuracy: $\pm(0.8\%+6)$ Reference: Schottky diode (0.15–0.25 V); rectifier diode (0.6–1.0 V); PN junction of bipolar junction transistor (0.5–0.8 V)</p>
Continuity Test	<p>Limit: 660 Ω Reading range: 0–6600 Min. Resolution: 0.1 Ω Accuracy: $\pm(0.8\%+5)$ Judge the path: Test the resistance of two points less than 30 Ω \pm 3 Ω, and the instrument will make a long sound</p>

Optical Power Meter

Detector Type	InGaAs
Calibrated Wavelength	1625/1550/1490/1310/1300/850 nm
Power Test Range	-70 dBm to +10 dBm
Measuring Accuracy	$<\pm 3\%$ dB (-10 dBm, +22 $^{\circ}$ C/+71.6 $^{\circ}$ F) $<\pm 5\%$ dB (FS, +22 $^{\circ}$ C/+71.6 $^{\circ}$ F)
Screen Resolution	Linear: 0.1%, logarithmic: 0.01 dBm
Connector	FC/PC

Port

Power	1 \times charge port, 12 VDC 2 A 1 \times power output port, 12 VDC 2 A
Audio Port	1 \times audio input port; 1 \times audio output port
USB	1 \times type-A port
Network Port	2 \times RJ45 10M/100M/1G network port (one port supports PoE and the other supports PSE IN) 1 \times UTP/SCAN port
SD Card Slot	1 \times micro SD card slot, and it supports memory expansion up to 32 GB, and FAT32 and NTFS formats.
HDMI	1 \times HDMI input port; 1 \times HDMI output port
RS-485	1
VLS	1
OPM	1
Multimeter	4
BNC	4

Power Supply

Power Supply	12 VDC 2 A
Battery	Replaceable polymer lithium battery with a capacity of 37 Wh, and a working time of about 8 hours

Protection

Surge Protection Grade	Common mode: ± 2 kV; Differential mode: ± 1 kV
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Integrated Mount Tester | DH-PFM906-E

Statics Protection	Air discharge: 8 kV; Contact discharge: 6 kV
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Structure

Appearance Color	Yellow
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" × 11.26" × 3.78") (L × W × H)
Net Weight	0.95 kg (2.09 lb)
Gross Weight	2.1 kg (4.63 lb)

Environment

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)

Certifications

Certifications	CE; FCC
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Ordering Information

Type	Model	Description
Integrated Mount Tester	DH-PFM906-E	Integrated Mount Tester

Dimensions (mm[inch])

