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.

Series Overview

The 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; HDTVI; 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 HDTVI: 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

Network

Wi-Fi Standard	IEEE 802.11a/b/g/n/ac
Frequency Range	2.4–2.4835GHz and 5.15–5.85GHz

Transmitter Power (EIRP)	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; 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

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	Limit: 60 mV, 600 mV, 6 V, 60 V or 600 V Reading range: –6,000 to +6,000 Min Resolution: 0.01 mV Accuracy: For 0.01 mV to 600 V, the accuracy is ± (0.6%+4). For 600 V to 1,000 V, the accuracy is ± (0.8%+10).
AC Voltage	Limit: 60 mV, 600 mV, 6 V, 60 V or 600 V Reading range: –6,000 to +6,000 Min Resolution: 0.01 mV Accuracy: For 0.01 mV to 600 V, the accuracy is ± (1.2%+4). For 600 V to 750 V, the accuracy is ± (1.2%+10).
DC Current	Limit: 60 mA, 600 mA or 10 A Reading range: –6,000 to +6,000 Min Resolution: 10 μA Accuracy: ± (1.2%+10)
AC Current	Limit: 60 mA, 600 mA or 10 A Reading range: –6,000 to +6,000 Min Resolution: 10 μA Accuracy: ± (1.2%+10)
Resistance Test	Limit: 600 Ω, 6 kΩ, 60 kΩ, 600 kΩ, 6 MΩ or 60 MΩ Reading range: 0–6,000 Min Resolution: 0.1 Ω Accuracy: For 0.1 Ω to 6 MΩ, the accuracy is ± (0.8%+10). For 6 MΩ to 60 MΩ, the accuracy is ± (2.5%+4).
Capacitance Test	Limit: 6 nF, 60 nF, 600 nF, 6 μF, 60 μF, 600 μF, 6 mF or 60 mF Reading range: 0–6,000 Min Resolution: 1 pF Accuracy: For 1 nF to 6,000 μF, the accuracy is ± (3.5%+20). For 6,000 μF to 60,000 μF, the accuracy is ± (5%+4).
Diode Voltage Drop	Limit: 3 V Reading range: 0–3,000 Min Resolution: 1 mV Accuracy: ± (1.2%+20)
Continuity Test	Limit: 50 Ω Reading range: 0–500 Min Resolution: 0.1 Ω Accuracy: ± (1.2%+20)
Frequency Test	Limit: 6 Hz, 60 Hz, 600 Hz, 6 kHz, 60 kHz, 600 kHz or 6 MHz Reading range: 0–6,000 Min Resolution: 0.001 Hz Accuracy: For 1 Hz to 6 MHz, the accuracy is ± (0.1%+3).
Neutral and Live Wire Identification	Yes

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	<±3% dB (–10 dBm, +22 °C/+71.6 °F) <±5% dB (FS, +22 °C/+71.6 °F)
Screen Resolution	Linear: 0.1%, logarithmic: 0.01 dBm
Connector	FC/PC

Port

Power	1 × charge port, 12 VDC 2 A 1 × power output port, 12 VDC 2 A
Audio Port	1 × audio input port; 1 × audio output port
USB	1 × type–A port
Network Port	2 × RJ45 10/100/1,000 Mbps network ports (one port supports PoE and the other supports PSE IN) 1 × UTP/SCAN port 1 × TDR port
SD Card Slot	1 × micro SD card slot, and it supports memory expansion up to 32 GB,and FAT32 and NTFS formats.
HDMI	1 × HDMI input port; 1 × HDMI output port
RS-485	1
VLS	1
OPM	1
Multimeter	4
BNC	4

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

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

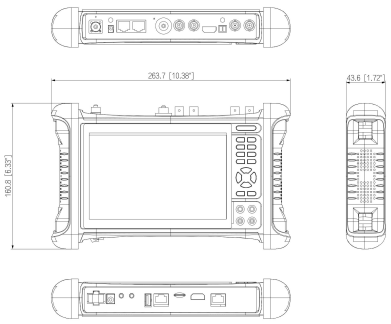
Operating Temperature	–10 °C to +55 °C (+14 °F to +131 °F)
Operating Humidity	30%–90% (RH)
Storage Temperature	–20 °C to +70 °C (–4 °F to +158 °F)
Storage Humidity	30%–90% (RH)

Certifications

Certifications	CE; FCC

Dimensions (mm[inch])

mm [inch]



Ordering Information

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

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