DH-PFM907

Integrated Mount Tester

- Supports HDCVI, AHD, HDTVI and CVBS digital surveillance system.
- PoE or 12 VDC power supply.
- Support Onvif protocol to configure IP address.
- Audio/RS-485 control.
- Digital multimeter function.
- TDR network cable test.
- Wi-Fi signals test.

System Overview

Powered by Linux 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. It supports a host of features needed in modern security construction projects, such as IPC, HDCVI, AHD, TVI, and CVBS monitor video display, HDMI input and output, TDR network cable test, Wi-Fi signal testing, digital multimeter, and optical power meter test functions.

Technical Specification

System

Operation System	Linux
Language	13 languages including Chinese and English
Operation mode	Touchscreen
Auto Standby/Power Off	Off/5–60min
Keyboard Sound	On/Off
Display Screen	7-in 16.7M color TFT touch screen, RGB interface lcd display: 1920 ×1200, backlight brightness adjustable
Button	Keypad: 13 keys Others: On–off button
LED	2
Wi-Fi	Frequency: 2.4G/5G Protocol: IEEE 802.11a/n/ac
Update	Supports online and local update

Structure&Environment

Net Weight	0.93kg (2.05 lb)
Product Dimensions	235.0 mm × 135.0 mm × 45.0 mm (9.25'' × 5.31'' × 1.77'') (L × W × H)
Operating Temperature	–10 °C to +55 °C (14 °F to 131 °F)
Operating Humidity	30%–90% (RH)

IPC Test

Camera Access	ONVIF and Dahua private protocol
Resolution	2 MP (only supports 1920 × 1080@25 fps, 1920 × 1080@30 fps); 4 MP; 6 MP; 4K
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: 720p@25/30/50/60 fps, 1080p@25/30 fps, 2560 ×1440@25/30 fps, 2880 × 1620@25/30 fps HDTVI: 720p@25/30/50/60 fps, 1080p@25/30fps, 2048×1536@18 fps, 2560 × 1440@25/30 fps AHD: 720p@25/30 fps, 1080p@25/30fps, 2048 × 1536@ 18/25/30 fps, 2560 × 1440@25/30 fps CVBS: 720 × 576@25 fps, 720 × 480@30 fps
Function Control	OSD menu; PTZ control
Image	Live view, snapshot and recording, zoom
Video Signal Generator	PAL; NTSC viedo test signal HDCVI; HDTVI; AHD viedo test signal (720p/1080p)

UTC

UTC	Switches from CVBS mode to CVI/TVI/AHD mode; Switches from one HD format (up to 1080p) to another HD format

DMM

DC Voltage	Limit: 2/20/200/600 V Reading range: ±19999 Min. Resolution: 0.1 mV Accuracy: ±0.1%+8
AC Voltage	Limit: 20/200/600 V Reading range: ±1999 Min. Resolution: 1 V Accuracy: ±1.2%+3
DC Current	Limit: 20/200/2000 mA Reading range: ±19999 Min. Resolution: 1 uA Accuracy: ±0.1%+8*
AC Current	Limit: 20/200/2000 mA Reading range: ±1999 Min. Resolution: 1 uA Accuracy: ±1.2%+3
Resistance Test	Limit: 2 kΩ/20 kΩ/200 kΩ/2 mΩ/20 mΩ Reading range: 0–19999 Min. Resolution: 0.1 Ω Accuracy: ±0.1%+8
Capacitance Test	Limit: 2 nF/20 nF/200 nF/2 uF/20 uF/200 uF/2 mF/20 mF Reading range: 0–1999 Min. Resolution: 1 pF Accuracy: ±4%+5
Diode Voltage Drop	Limit: 2 V Reading range: 0–19999 Min. Resolution: 0.1 mV Accuracy: ±0.1%+20
Continuity Test	Limit: 2 kΩ Reading range: 0–19999 Min. Resolution: 0.1 Ω Accuracy: ±0.1%+20

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
Wireless	Spectrum Test; Wi-Fi Test; Signal Monitoring
Cable Test	Network Cable Test: Test network cable pair length, attenuation and delay deviation. Test two or more network cables. The connection sequence and network cable number will be displayed on the screen.
HDMI Test	1-ch HDMI video input (720p and 1080p); 1-ch HDMI video output (1920 ×1080p)
Audio Test	1 × audio input, and 1 audio output
Power Supply for Camera	12 VDC 2A
Network Test	Features IP address scanning and PING test.
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.
Optical Power Meter	Detector Type: InGaAs Calibrated Wavelength: 1625/1550/1480/1310n/1300/850 nm Power Test Range: –70 dBm to +10 dBm Measurement Accuracy: <±3% dB (–10 dBm, +22 °C/+71.6 °F); <±5% dB (FS, +22 °C/+71.6 °F) Resolution: Linear: 0.1%, logarithmic : 0.01 dBm Connector: FC/PC

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, 1 × slave port
Network Port	2 × RJ45 10M/100M/1G network port
SD Card	NA
HDMI	1 × HDMI input port 1 × HDMI output port
RS-232	NA
RS-485	1
VLS	NA
OPM	1
Multimeter	4

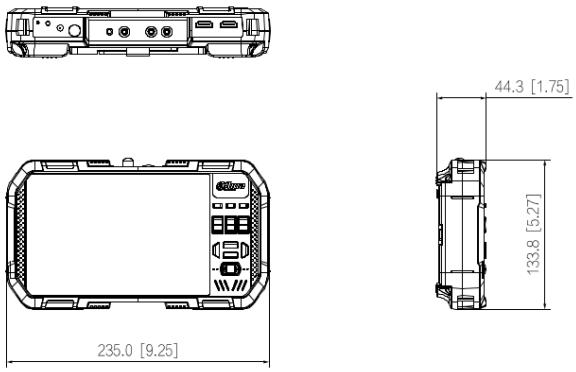
Power Supply

Power Supply	12 VDC 1A/POE 48 V–0.5 A
Battery	Two battery compartments. Each battery compartment can hold a dedicated lithium battery pack with a capacity of 18.5Wh. The combined working time is about 10 hours. (can operate on a single battery).

Certifications

Certifications	CE: EN 55032: 2015, EN 55032: 2017, EN 61000–3–2: 2014, EN 61000–3–3: 2013, EN 61010-1: 2010, EN 62321–1: 2013 FCC: FCC Part 15 Subpart B: 2016

Dimensions (mm[inch])



Application