

# ITM-9000-V3

Multi-function Test Tool



- 4.0" TFT screen, 800 × 480 resolution
- H.264/H.265 decoding support for IPC
- HD AVS/AHD/TVI/CVBS video support
- 12V/2A DC power supply for the camera
- Supports RS-485 control and audio test
- Ethernet cable length and attenuation tests
- Built-in digital multimeter

## System Overview

The ITM-9000 that has proven itself to be an essential tool for A/V technicians has now been updated with more features than ever. The ITM-9000-V3 is a camera tester that supports IP, AVS, AHD, TVI, and CVBS. Upgraded hardware now supports IP cams up to 12MP and 4K support for AVS cameras. This tester provides PoE for camera power without the need of an injector or PoE switch. It can display full camera statistics such as signal link quality, PoE voltage and amperage, and two-way data kilobyte flow. Instantly see and measure the real-time performance of your IP cameras without the need for a laptop; it also allows you to initialize, login and access all camera configuration parameters and change them instantly.

In addition to the extensive IP assessment tools, the tester comes with CAT-5 analysis and will display any short along the cable. It will also show you length of the run in meters, and whether the short is at the close or far end. The upgraded version also supports H.264/H.265 decoding from IP cams as well as a built in Digital Multimeter. It allows installers to easily examine cameras and have total PTZ control via its built in controller. The ITM-9000-V3 will save any integrator hundreds of hours that would have been wasted trying to hunt down difficult problems.

## Package Information

Integrated Mount Tester	1	RS-485 Cable	1
Lanyard for Tester	1	RS-485 Terminal	1
Tool Bag with Lanyard	1	Power Output Cord	1
User Manual	1	Audio Cable	1
Network Cable	1	Multimeter Probes	1
Coaxial Cable	1	PoE Power Injector	1
USB Cable	1	Charging Cord 1	1

## Technical Specification

### System

Operating System	Linux
Operation Mode	Button and keyboard
Auto Standby/Shutdown	Yes
Screen	4.0" TFT screen, 800 × 480 resolution
Keyboard	Controlling keyboard: 13 keys of the main keyboard, and 45 keys of the flip keyboard Others: Power button, reset button
Keyboard Sound	Enable/Disable
LED Indicator Light	2 * 35lm lights
Update	Online and local update
Language	Multi-language interface: English, Chinese, Spanish, French, German, Turkish, Russian, Czech, Serbian, Portuguese, Polish, Romanian, Hebrew, Japanese, and Persian

### IPC Test

Camera Protocol	ONVIF
Resolution	1MP, 1.3MP, 2MP, 3MP, 4MP, 5MP, 6MP, 8MP, 12MP
Camera Initialization	Support
Video Display	Live view, snapshots, records, digital zoom, and H.264/H.265 decoding
Function Control	Support IPC modifications such as resolution, IP, and account password, and restoring IPC to factory settings

### Analog Video Test

Format	HD AVS, CVI, HDTV, AHD, and CVBS (NTSC, PAL)
Resolution	HD AVS: 2MP@25 fps/30 fps, 4MP@25 fps/30 fps, 5MP@20 fps, 6MP@20 fps, 4K@12.5 fps/15 fps HD TVI: 2MP@25 fps/30 fps, 4MP@25 fps/30 fps, 5MP@20 fps AHD: 2MP@25 fps/30 fps, 4MP@25 fps/30 fps CVBS: NTSC, PAL
Function Control	OSD menu display and PTZ control
Video Display	Live view, snapshots, records, and digital zoom
Video Signal Generator	Generates PAL and NTSC video test signals Generates HD AVS, HDTV, and AHD video test signals with 720/1080P

### RS-485 Control

Communication Protocol	More than 30 protocols such as Pelco-D/P, Samsung, Panasonic, Lilin, and Yaan
Baud Rate	150 bps, 300 bps, 600 bps, 1200 bps, 2400 bps, 4800 bps, 9600 bps, and 19200 bps

### Protection

ESD	Air discharge: ±8KV Contact discharge: ±6KV
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### Others

Audio Test	1 channel audio input test and 1 channel audio output test
Camera Power Supply	12V/2A DC power output to the camera
Network Test	IP address scanning, and Ping test
Voltage Test	Display voltage, data transmission, and signal strength of PoE/PSE device
Data Monitor	Receive and display protocol data with a RS-485 cable
Network Cable Test	Test the length and attenuation of a network cable Test range: 1-130 m (3.28-426.51 ft) (The maximum length varies depending on the material of the cable)
Digital Multimeter	Tests include: AC/DC voltage, AC/DC current, resistance, capacitance, diode, and circuit conductivity

### Certifications

Certifications	CE: EN 55032 FCC: FCC Part 15 Subpart B
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### Interface

Power	1 standard PoE charging, IEEE802.3af 1 power output , 12V/2A DC
Audio	1 audio input 1 audio output
USB	1 USB Mini-B
Ethernet	2 RJ45 10M/100M/1G
RS-485	1
Digital Multimeter Port	3

### Power

Charging	PoE 48V-0.32A
Battery	Dedicated battery (replaceable), 7.4V polymer lithium ion batteries, up to 22.2Wh, working for about 8 hours

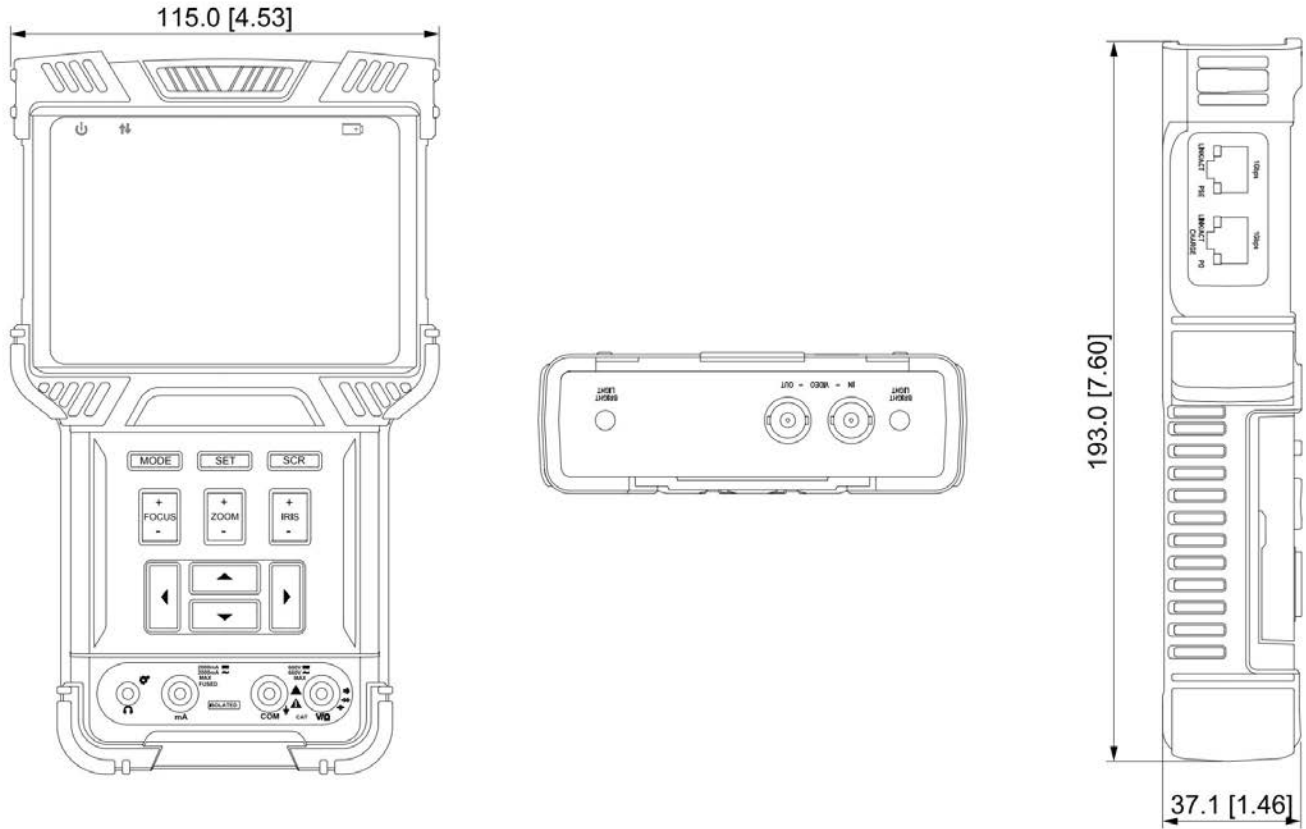
### Environmental

Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Operating Humidity	30%-95% (RH)

### Construction

Color	Yellow
Dimensions	193.0 × 115.0 × 37.1 mm (7.8" × 4.53" × 1.48")
Net Weight	0.54 kg (1.19 lb)
Gross Weight	1.40 kg (3.09 lb)

Dimensions (mm/in)



Application

