# 7 inch IP Camera Tester IT-E900-IPC

## Applications:

- Analog camera test
- IP camera test, support 4k, H.264 and H.265
- 8MP TVI test, 8MP CVI test, 5MP AHD test
- Digital Multimeter
- HDMI input and output
- Cable tracer app with toner wand
- Video level meter for analog camera

## Features:

- English, Polish, Italian, Spanish, French and other languages menu optional
- 7 inch retina touch screen, 1920*1200 resolution
- H.264 and H.265, 4K video display via mainstream
- Rapid video, just by one key to detect all network cameras and auto display
- Built-in WiFi to receive network image and data, create wifi hotspot, support browser
- Rapid onvif, auto log in and display image from the camera, activate Hikvision camera, and also can create testing report
- Cable tracer app with toner wand, Send the specific signal, easy to find out the connected cable from messy cables
- Video level meter for analog camera, Peak level, Sync level, Burst level measurement
- 8MP TVI test, 3840 x 2160, 15 FPS, 4xzoom, video record and playback ,coaxial PTZ control and call camera OSD menu
- 5MP AHD test, 2592 x 1944P, 12.5/20FPS, 4xzoom, video record and playback, coaxial PTZ control and call camera OSD menu
- 8MP CVI test, 3840 x 2160, 12.5/15 FPS, 4xzoom, video record and playback, coaxial PTZ control and call camera OSD menu
- HDMI input, 720×480p / 720×576p / 1280×720p / 1920×1080p / 1024×768p / 1280×1024p / 1280×900p / 1440×900p display image, record and snapshot
- IP and analog cameras testing at the same time, converter test from analog to digital via dual test window IP & CVBS
- CVBS loop test, the tester send and receive color bar generator signal to check BNC cable
- Traffic monitoring of the tester "Lan port", display network port or wifi connection real-time upload and download speeds and other network parameters
- Support user self-install apps, for example install android version apps, like skype, wechat, etc
- 4K video files and MKV / MP4 media files play
- Quick office apps (excel, word, ppt format ), can edit the documents
- Screen lock, password lock and pattern lock are optional
- TesterPlay (screen projection) : tester, android version mobile phone and PC display at the same time
- Shortcut button, drop-down menu, can select PoE power ,IP setting, wlan switch, HDMI in functions etc in any interface
- Enhanced cable tester, UTP cable, telephone cable as well as other cables' order and connectivity test, testing report can be saved

- Screen management, Lite mode and normal mode for option, move the function's icons, create new directory, theme and background setting

- Display onvif IP camera image, onvif PTZ controller, IP discovery.

- Support more than 80 customized IP cameras protocols

- Support ip camera apps and RTSP to view IP camera image

- Network bandwidth testing

- FTP Server, Static IP address, DHCP, simultaneously test different segments IP cameras

- PoE 24W power supply to IP camera

- HDMI signal output , support 1080P

- DC12V 2A power output for camera

- USB 5V 2A power output to mobile phone

- Led Lamp，easy to operate at night

- Micro SD card moveable

- LCD screen brightness/contrast/color saturation adjustable

- Automatically adapts and displays the video format of NTSC/PAL

- Enhanced color bar generator, by receiving the video color bar to test the video channel whether transmit normally

- 4x zoom, video image can be magnified to view the details, easy to use (both for analog and IP video)

- Video record and playback (both for analog and IP video)

- Snapshot and save the current image as JPG file in the SD card (both for analog and IP video)

- Ping testing, test IP camera or other network devices' Ethernet port whether work normally, and the IP address whether right

- IP address scan, quickly search the IP address for the connected IP camera and other network devices

- PoE voltage measurement, test the PoE switch's voltage to IP cameras, wireless AP device and other PD devices

- Device Port flicker, easy to find the connected PoE switch port by sending special signals, the connected PoE port will flicker at special frequency

- Link monitor, check the setting IP address whether occupied

- PTZ address scan, search up the ID of PTZ camera

- Network cable and Telephone cable testing, display the sequence of connection and the No. of the LAN cable. RJ45 cable TDR test

- Support RS485, rate 600 ～ 115200bps adjustable

- Multi-protocol. Supports more than thirty PTZ protocols. Such as Pelco-P, Pelco-D, Samsung etc.

- PTZ protocol analysis, control protocol command displays to check RS485 transmission

- PTZ control. Pan/tilt the PTZ unit, zooms in/out the lens, adjusts the focus, aperture and sets and the preset position

- Audio input test and output, test the audio signal from pickup devices, support audio output

- Digital Multimeter, voltage, current, resistance and capacitance can be tested, continuity testing, diode testing

- Lithium Ion Polymer Battery .The device employs advanced power control and protection circuit. The device is high power-efficient, energy saving and environmental protection. It can last 10 hours for normal use after charging for 6 hours

## Specification

| Model Number | IT-E900-IPC |
|---|---|
| Signal System | NTSC / PAL (Auto-Selecting) |
| Display | 7 inch retina touch screen, 1920*1200 resolution |

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|---|---|
| IP camera type | 4K, H264, H265, Onvif, Onvif PTZ, ACTi, Dahua IPC-HFW2100P, Hikvision DS-2CD864-E13, Samsung SNZ-5200, Honeywell HICC-2300T, etc. Customized protocols are available |
| Rapid Video | Auto view the video, create testing report |
| Hikvision test tool | Pressing just one key to activate hikvision camera , Image test, can modify the user name, password and IP parameters |
| Dahua test tool | Dahua camera test, modify the user name, password and IP parameters |
| Network test | FTP Server, Static IP address, DHCP, simultaneously test different segments' IP cameras, Network bandwidth testing, IP discovery |
| IP camera apps | Support video management software to view IP camera image, such as Hikvision ivms-4500, Dahua gDMSS HD Lite |
| RTSP | Support RTSP to view IP camera image |
| LCD adjust | Adjustable brightness, contrast, color of LCD |
| **HDMI input** | 1 channel HDMI input, support 1080P |
| HDMI signal output | 1 channel HDMI output, support 1080P |
| Network port | 10/100/1000M auto adjust, RJ45 |
| Wifi | Built in Wifi, speeds 150M, receive wireless camera image etc. create wifi hotspot |
| PoE power output | PoE 24W power supply to IP camera |
| Video Input / Output | 1 channel BNC input & 1 channel BNC looped output |
| Video Output Mode | 1.0 Vp-p |
| CVBS loop test | the tester send and receive color bar generator signal to check BNC cable |
| **Cable tracer app with toner wand** | **Send the specific signal, easy to find out the connected cable from messy cables** |
| **Video level meter for analog** | **Peak level, Sync level, Burst level measurement** |
| Power Adapter | 5V DC, 2A input supply |
| Power output | 12V DC, 2A power output for camera |
| Audio input | 1 channel audio signal input to test pickup device, 1 channel audio signal output to connect headphone |
| USB power output | USB 5V 2A power output to mobile phone |
| Communication | RS485 |
| Baud Rate | 150, 300, 600, 1200, 2400, 4800, 9600, 19200bps |
| Power Saving Features | Sleep mode, Battery level indicator |
| PTZ Address Scanning | Scan for local PTZ address over data cables |
| Rechargeable Battery | 6 hours charge, work for 10 hours |
| Battery | 1 pcs Lithium Ion Polymer Battery; 7.4V DC, 5000mAh |
| Video Display | Displays video signal from analog input |
| Video Signal | Color bar generator for monitor testing |
| Cable Test | Checks connections of UTP cables, RJ45 cable TDR test |
| PTZ Protocol | Compatible with more than 30 protocols such as PELCO-D/P, Samsung, Panasonic, TeleEye etc. |
| PTZ data Capture | Reads and displays commands sent from controllers |
| Image 4x zoom | 4x zoom image display and video out |
| Photograph | Snapshot and save the image as JPG file and screenshot |
| Video record | Video recording and playback from the SD card |

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|---|---|
| Port Finder | Find the connected PoE port quickly |
| IP scan | Find out the connected IP camera or network equipment´s IP address |
| Link monitor | Check the IP address whether is occupied |
| Ping testing | Network and Ip camera ping testing |
| PoE tester | PoE voltage testing, PoE port flicker, PoE link monitoring |
| Night Led | Built Led lamp |
| SD card | With 8G Micro SD card, support Micro SD card for recording, max support 32G SD card |
| Tester Play | Screen projection：tester, mobile phone and PC display at the same time (For android version mobile phone) |
| Drop-down menu | User can select PoE power switch, IP setting, WLAN switch, HDMI IN functions etc in any interface |
| HD-TVI input | 8MP TVI camera test, 3840 x 2160, 15 FPS, image display, zoom, video record and playback, coaxial PTZ control and call camera OSD menu |
| HD-CVI input | 8MP CVI camera test, 3840 x 2160, 12.5/15 FPS, image display, zoom, video record and playback, coaxial PTZ control and call camera OSD menu |
| AHD input | 5MP AHD test, 2592 x 1944P, 12.5/20FPS, image display, zoom, video record and playback, coaxial PTZ control and call camera OSD menu |
| Multimeter | Voltage, current, resistance and capacitance can be tested, continuity testing, diode testing |
| Dimension | 260mm x 160mm x 45mm (Tester);   320mm x 290mm x 98mm (Colour box) |
| Weight | 1000g (Tester);   2770g (Tester with spare parts, black package, box) |

| HD Resolution | 720P | 1080P | 3MP | 4MP | 5MP | 4K（8MP） |
|---|---|---|---|---|---|---|
| TVI | 1280 x 720 P 25/30/50/60 FPS | 1920 x 1080 P 25/30 FPS | 2048x1536 P 18/25/30 FPS | 2688x1520 P   15FPS 2560x1440P   15/25/30 FPS | 2592 x 1944 P 12.5/20FPS | 3840 x 2160 15 FPS |
| CVI | 1280 x 720 P 25/30/50/60 FPS | 1920 x 1080 P 25/30 FPS | —— | 2560x1440 P 25/30 FPS | —— | 3840 x 2160 12.5/15 FPS |
| AHD | 1280 x 720 P 25/30 FPS | 1920 x 1080 P 25/30 FPS | 2048x1536 P 18/25/30 FPS | 2560x1440 P 15/25/30 FPS | 2592 x 1944 P 12.5/20FPS | —— |