

SURVLtest[®] 2nd Generation Multi-Function CCTV Tester



IP Digital / HD Coax / Analogue Systems / Network Cable Tester

SURVLtest®

2nd Generation Multi-Function CCTV Tester



OVERVIEW

Hobbes SURVLtest 2nd Generation is an installation and troubleshooting tester for digital/IP, HD coax and analogue CCTV camera systems. The 1920 x 1200 resolution enables it to display network HD camera and analog cameras in high resolution. It also supports many ONVIF PTZ and analog PTZ control. SURVLtest is able to supply power to cameras via PoE/PoE+ (Power Over Ethernet) or standard 12V and 24V 2A DC power using its internal fast charging Li-Ion battery, eliminating the need for external power adapters and injectors. It allows installers who are new to IP camera systems to quickly and easily connect to cameras without being network experts. With a single tester that can power, configure and document, SURVLtest increases productivity from start to finish.

KEY FEATURES

Compatible with various cameras



- 8MP TVI, 8MP CVI, 8MP AHD.
- H.265/H.264, 4K video display via mainstream.
- Dahua, Hikvision, Axis etc ONVIF camera test.
- Auto HD function detects HD analog transmission specification.

Power the camera with Li-Ion battery or PoE+



- Support DC12V 3A, DC24V 2A or PoE IEEE802.3af and IEEE802.3at power output.

Faster camera login using the IP Discovery function



- IP automates the process of connecting to IP cameras, allowing novice technicians to configure IP cameras as easily as analog cameras.

Comprehensive camera setup



- SURVLtest offers a comprehensive range of ONVIF and non-ONVIF camera setup tools to ensure the camera is installed correctly.

Provide installation test report



- Create PDF reports that show camera parameters and multiple video screen-shots.

Data cable test and network troubleshooting tools



- With Cable Tracer/Remote Tool to test cabling faults such as cross overs, miswires, shorts and opens. The length and attenuation of the cabling is also provided. Cable test result can be saved as report.
- Trace cables using the digital tone generator and the Cable Tracer/Remote Tool HST66.

Dual Gigabit Ethernet ports



- Dual Gigabit Ethernet ports can be connected to the camera for testing at the same time. With Dual Gigabit Ethernet ports, SURVLtest is able to test and identify the network from both PSE and PD.

Professional WiFi Analyzer



- Detect the surrounding WiFi signal and signal strength, support 2.4G and 5G frequency band.

Dual-band WiFi



- Support 2.4G/5G frequency band. Wireless data rate can reach up to 433.3Mbps. Operating frequencies: 2.4~2.4835GHz and 5.15~5.85GHz.

NET TOOL PRO



- The new NET TOOL PRO includes Cable Test, Wireless Tool, LinkTool, Full Duplex Detection, PING, IP Scan, DHCP Server, PPPOE, OUI Search, SocketTool, DNS and LLDP functions.

HDMI Input 4K 30FPS



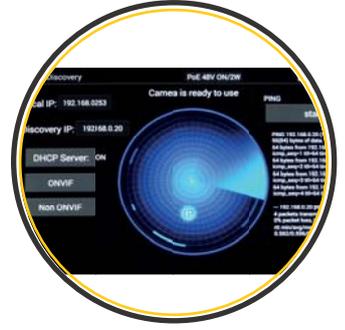
- HDMI input support 4K 30FPS.

IPC Test Pro



- Camera test often need to open multiple apps, "IPC Test Pro" app, using new technology and combine multiple functions to one app, it can increase efficiency.

PoE IP Camera Configuration, Installation and Troubleshooting



Physically connect camera

Connect camera to the tester using RJ45

Power camera

Power the camera using: PoE+ (tester battery or PSE network pass through), 12V DC power (tester battery)

Camera Identification and Login

Automatic network configuration and connection to IP cameras



Send reports

Send reports from the job site using email or preferred file sharing service

Document

Create PDF installation reports with video images, statistics and camera settings

Camera setup

Comprehensive setup options including aim, focus, PTZ pre-sets, network settings (IP), video settings

SPECIFICATION

LCD: Display

- 7 inch IPS touch screen, 1920*1200 resolution

Video Mode: CVBS

- 1 Channel BNC input & 1 channel BNC looped output, NTSC/PAL (Auto adapt)
- Analog video level meter, peak video signal level, SYNC signal level, color bar chroma level measurement
- PTZ control, RS485 control, Baud 600-115200bps, compatible with more than 30 protocols such as PELCD-D/P, Samsung, Panasonic etc.
- CVBS loop test

Video Mode: IP camera test 4K/H.265/H.264

- IP Discovery/Quick ONVIF/IPC test/RTSP play/Client APK
- Auto view the video, create testing report under Rapid Video
- Activate camera, modify the user name, password and IP parameters
- Camera test, modify the user name, password and IP parameters

Video Mode: IP & CVBS test

- IP& CVBS test at the same time ,converter test from analog to digital with dual test window

Video Mode: Coaxial HD test

- 8MPTVI camera test, 3840 x 2160P 12.5/15 FPS, UTC control/call OSD menu
- 8MP CVI camera test, 3840 x 2160P 12.5/15 FPS, UTC control/call OSD menu

- 8MP AHD camera test, 3840 x 2160P 15 FPS, UTC control/call OSD menu

Video Mode: HDMI input

- 1 Channel HDMI input, support 4K 30FPS

Video Mode: Zoom image

- 4X zoom, to enlarge image, screen snapshot, record, save, view and record and play back

Analog Video Out: Color bar generator

- Output one channel PAL/NTSC color bar video signal for testing monitor or video cable

Power Output: PoE power output

- 48V PoE power output, max. power 25.5W

Power Output: DC12V and 24V power output

- DC12V 3A and 24V 2A power output

Cable Test: RJ45 cable TDR test

- Test cable pair status, length, attenuation, reflectivity, impedance, skew etc. measurement range up to 180M

Cable Test: Cable tracer

- Search BNC cable, network cable and telephone cable from the mess cables

Cable Test: UTP cable test

- Test UTP cable connection status and display on the screen.

Network Test

- NETTOOL PRO function includes LinkTool, Full Duplex Detection, PING, IP Scan, DHCP Server, PPPOE, OUI Search, SocketTool, DNS and LLDP functions

Wi-Fi

- Support 2.4G/5G frequency band. Wireless data rate can reach up to 433.3Mbps. Operating frequencies: 2.4~2.4835GHz and 5.15~5.85GHz

Audio Test

- 1 Channel audio signal input, test whether sound normal, 1 channel audio signal to connect headphone

Data Monitor

- Captures and analyzes the command data from controlling device, also can send hexadecimal

PoE Test

- Measurement PoE switch or PSE power supply voltage, power and cable connection status

External Power Supply

- DC12V 2A

Battery

- Built-in fast charging 7500mAh Lithium Polymer battery

Operation Time

- Charging 3.5 hours, working time last 16 hours

Languages

- English, Chinese, Japanese, Korean, Russian, Italian, French, Polish, Spanish, Deutsch

Auto Off

- 1~30 min.

Working Temperature

- -10°C ~ 50°C

Working Humidity

- 30% ~ 90%

Dimension

- 255mm x 160mm x 46mm

Weight

- 950g

Cable Tracer: Digital Probe

Model No

- HST66

Signal Type

- Digital signal

Cable Trace

- Supported RJ45 cable, RJ11 cable, BNC cable

UTP Port

- Using with the UTP port of SURVLtest, can measure the sequence of normal network cable, and the continuity statue of crystal head

PoE Port

- PoE switch powered type test

LED light

- Short press to turn on/off the LED light

Silent Mode

- Long press the MUTE button to switch to silent mode, find the cable through indicator light

Audio Output

- Support external audio output

Battery

- 1.5V AA x 2

Working Temperature

- -10°C ~ 50°C

Working Humidity

- 30% ~ 90%

Dimension

- 219mm x 48mm x 32mm

Weight

- 100g
-

ORDER INFORMATION

SURVLtest 2nd Generation HST321 packaging includes:

- HST321 (SURVLtest)
- DC12V 2A power adaptor
- Digital Cable Tracer Probe HST66
- Polymer lithium ion battery (7.4V DC 7500mAh)
- BNC cable
- RS485 cable
- Output power cable
- Audio cable
- Safety cord
- Tester pouch
- User manual
- 8GB SD card



For more information, please visit www.hobbes-group.com