

# Preliminary Specifications: VT-TC501M

All-In-One IP & HD/Standard Analog Multi-Format  
Testing Tool with 4.0" Display & Keyboard



Designed for video surveillance installation and maintenance, this rechargeable all-in-one Video Signal tester can be used for standard analog video (CVBS), HD Analog (HD-TVI/AHD/CVI) video up to 8 MP, HD IP CCTV systems, RS485, CoC PTZ control testing, IP camera testing (up to 4K), Ethernet testing, TDR cable testing, video screen shots, video recording, playback, and other functions and testing. This device is powerful, easy to carry and suitable for video security engineering, installation and maintenance of front-end camera equipment, greatly improving installation efficiency and reducing the cost of maintenance.

## FEATURES:

- 4.0" IPS 16.7M Color Display with 800\*480 (WGA) Resolution
- Flip out QWERTY keyboard
- Capable of testing IP (up to 8MP), Standard Analog, and HD Analog video systems in one device
- Step-by-step testing guide allows for locating faults quickly
- ONVIF Compatible
- Ergonomic, portable design and single-handed operation
- On-screen operation tips
- PoE power supply, PD power accept, and 12V/2A power output
- Built-in Digital Multimeter
- Durable Rubber enclosed case
- Dual 1000M network ports, supports packet loss detection, data flow monitor, etc.
- Replaceable lithium-ion polymer battery with battery life up to 10 hours
- Dual LED light
- Includes: Carrying Case/Tool Bag, Lanyard, Battery, Battery Cover, POE Power Injector, Network Cable, BNC Cable, RS485 Cable, 12V Power Output Cable, Audio Cable, Mini USB Cable, Screen Protector Film, Test leads for multimeter
- 3 Year Warranty



## Detailed Specifications

Screen	4.0 inch TFT 800*RGB*480 (WVGA) resolution, 16.7M color, backlight brightness adjustable
Operation Method	Power key, 12 control keys, QWERTY flip keyboard with 43 keys
<b>IP CAMERA TESTS</b>	
Protocol	ONVIF, RTSP, RTP
Ethernet Test	10/100/1000M Ethernet link test, loop detect, DHCP client and server Ethernet traffic flow monitor, link quality test
IP Configuration	Static IP/ DHCP client / DHCP server
IPC Test	Discover camera, real time video, camera configuration, PTZ control, discover ONVIF devices across network segments
IPC Image Test	H.265/H.264 Encode, Support 4K@30FPS
Physical Port	Dual-port RJ45 Ethernet 1Gbps
<b>POE TESTS</b>	
PD Test	The testers power input. 802.3at; power supply voltage detection
PSE Test	The testers power output. 802.3at; 25.5W Max, PD Actual power detection
<b>CABLE TEST</b>	
	Test the length of network cable, Maximum 200 meters. accurate to within 1 meter
<b>ANALOG TESTS</b>	
TV Signal Format	NTSC/PAL SD video Signal, HD-CVI, HD-TVI, AHD, HD Video Signal Automatically Detected
Signal Level	1Vpp
Video Input / Output	Video IN BNC input, Video OUT BNC output
Viewing	8 times magnification, snapshots, video recording (h.264)
Analog Video Generator	Generate PAL / NTSC video signal of various test pattern, Generate HD-CVI,HD-TVI, AHD video signal of various test pattern ( 720P/1080P )
<b>PTZ TESTS</b>	
Interface	RS485 / Control over Coax (CoC)
Coaxial input interface	Coaxial PTZ control, Pelco-D/P, Samsung, Panasonic, Lilin, Yaan, etc. More than 30 kinds of agreements
Baud Rate	150, 300, 600, 1200, 2400, 4800, 9600, 19200bps
<b>AUDIO TEST</b>	
	1 audio signal input
<b>SYSTEM FEATURES</b>	
Power Output	12V/2A output, Interface: Circular outer diameter 4mm, inner needle 1.6mm
Battery	Dedicate battery, user replaceable, 7.4V lithium-ion polymer battery, capacity 22.2Wh, about 10 hours working time.
Charging	POE charging, power 10Wmax. Charging time 3~4 hou
Charger	POE Standard Power Injector 48V/15W output, AC100~230V 50~60Hz input
Power Saving	Tester can be set to automatically turn off, battery power icon realtime display.
Auto Power Off	Disable / 5~60 minutes
Keyboard Tone	Enable / Disable
Working Temp	14-131°F (-10 55°C)
Working Humidity	30%-90%
Dimensions	7.5" x 4.5" x 1.5" (190x113x37mm)
Weight	1.2lbs (with battery)