



# Live performance testing.

VSTEST Series: Available in QWERTY keyboard and touch screen models

The VSTEST Camera & Cable Tester series allows for testing of any IP or analogue camera installations, as well as cables, with camera live-view, PTZ control, recording and audio testing, network testing/configuration & more.

- IP, HDCVI, AHD, TVI and analogue live camera testing
- Network config and testing (IP & DHCP client/server)
- Network, coaxial and optical cable testing
- Built-in PoE for portable network camera testing
- Replaceable battery w/ up to 10 hours of battery life
- PTZ & RS485 control, real-time video preview & record
- H.265 decoding of cameras up to 8.0MP
- Digital multi-meter, testing current, voltage & more
- Touch screen, HDMI in/out, SD card slot (VSTEST110 only)
- Optical Cable testing (VSTEST110 & VSTEST111 only)






Configure Any IP or Analogue Cam



Check Cable & Network Functionality



Test Anywhere with Built-in PoE

Model	VSTEST101	VSTEST110	VSTEST111
<b>Physical</b>			
Product Image			
Network Port	2 x 10/100/1000M RJ45 port, support switch mode	3 x 10/100 RJ45 port, support switch mode	2 x 10/100/1000M RJ45 port, support series/bridge connection
BNC Port	1 x Video In (HDCVI/TVI/AHD/Composite), 1 x Video Out	2 x Video In (SDI, HDCVI/TVI/AHD/Composite), 1 x Video Out	1 x Video In (HDCVI/TVI/AHD/Composite), 1 x Video Out
Function Port	1 x RS485, 1 x Audio In, 1 x Mini USB, 1 x Reset	1 x TDR, 1 x OPM, 1 x VLS, 1 x RS485, 1 x HDMI In, 1 x HDMI Out, 1 x Audio In, 1 x Audio Out, 1 x microSD	1 x TDR, 1 x OPM, 1 x RS485, 1 x HDMI, 1 x Audio In, 1 x Audio Out, 1 x USB, 1 x Micro USB
Screen	4.0" TFT RGB screen (WVGA), 16.7M colour, 223 PPI 800 x 480 resolution (5:3 aspect ratio)	7.0" capacitive touch screen, 16.7M colour, 323 PPI 1920 x 1200 resolution (16:10 aspect ratio)	7.0" capacitive touch screen with retina display, 1920 x 1200 resolution (16:10 aspect ratio)
Operation Method	45 key QWERTY flip keyboard, Power key, 12 control keys	Touch screen, Power key, 14 control keys	Power button, 13 key control button, capacitive multi-touch screen input
Auto Power Off	Disable / 5~60 minutes	Disable / 1~30 minutes	Disable / 5~60 minutes
Tools	Data Monitor (from RS485 device) / Audio Recorder / Flashlight (Toggle with LED On/Off Button) /	Data Monitor (from RS485 device) / Audio Recorder / Flashlight (Toggle with LED On/Off Button) / Notepad / Calculator	N/A
Updates	Support online updates	Support online updates & local updates via SD card	Support online updates
<b>PoE</b>	Tester as a powered device (using 802.3at) / Detects power supply voltage		
PSE Test	Tester as a power source, up to 25.5w (802.3at) / Detects powered device actual power		
Protocol	ONVIF, RTSP, RTP	ONVIF	ONVIF, RTSP, RTP
<b>IP Camera Test</b>	10/100/1000M Ethernet link test, loop detect, Ethernet traffic flow monitor, IP address scan, ping test, DHCP server		
Ethernet Test	10/100/1000M Ethernet link test, loop detect, Ethernet traffic flow monitor, IP address scan, ping test, DHCP server	10/100M Ethernet link test, loop detect, Ethernet traffic flow monitor, IP address scan, ping test, DHCP serve	10M/100M/1000M Ethernet link detection, ethernet loop detection, DHCP client and server, ethernet traffic detection, data link quality detection
IP Configuration	Static IP / DHCP client / DHCP server		
IP Camera Resolution	Up to 4.0MP	Up to 8.0MP	
Camera Test	Discover camera, real time video, camera configuration, PTZ control, audio test, full screen preview and digital zoom, snapshot, record video (recording original data stream)		
Digital Zoom	8 x Digital Zoom	5 x Digital Zoom	8 x Digital Zoom
<b>Coaxial Camera Test</b>	HDCVI / AHD / TVI / Composite		
Video Format	PAL, NTSC (auto-detect) / H.264, H.265		
Video Encoding	HDCVI (up to 4.0MP) / AHD (up to 4.0MP) / TVI (up to 5.0MP)		
Camera Resolution	HDCVI (up to 4.0MP) / AHD (up to 4.0MP) / TVI (up to 5.0MP)	HDCVI (up to 4.0MP) / AHD (up to 4.0MP) / TVI (up to 3.0MP)	HDCVI (up to 8.0MP) / AHD (up to 4.0MP) / TVI (up to 4.0MP)
Camera Test	Real-time video / PTZ control / RS485 control / Audio test / Take & view snapshot / Record & playback video		
Digital Zoom	8 x Digital zoom	5 x Digital zoom	8 x Digital zoom
Coaxial OSD	Camera configuration		
<b>WiFi Test</b>	N/A	Support 2.4G WiFi frequency band, max. speed 150M,	Support 2.4G/5G frequency band, WiFi connection, WiFi list, WiFi information detection, delay detection, test of packet loss rate
Signal Monitoring	N/A	Yes	Monitor WiFi signal change, refresh frequency: 1~10Hz
Antenna Type	N/A	N/A	Fold-able dual antenna, dual band dipole omnidirectional antenna
<b>Optical</b>	N/A	850 / 1300 / 1310 / 1490 / 1550 / 1625nm	850 / 1300 / 1310 / 1480 / 1550 / 1625nm
Calibration Wavelength	N/A	-70 ~ +10 dBm	
Signal Strength	N/A	Interchangeable FC/PC	
Connector	N/A	Supports 1440 x 900p to 720 x 420p	
HDMI In	N/A	Supports 1920 x 1080p	
HDMI Out	N/A	Supports 1920 x 1080p	
Protocol	More than 30 protocols		
<b>PTZ</b>	Baud Rate	150 ~ 19200bps	600 ~ 115200bps
<b>Cable</b>	Network Cable Testing	TDR method	
Coaxial Cable Testing	TDR, Analog video generator		
Optical Cable Testing	N/A	VFL (Visual fault locator)	
<b>Multi-meter</b>	Metering Functions	AC/DC voltage / AC/DC current / resistance / capacitance / diode forward voltage / open and short testing	AC/DC voltage / AC/DC current / resistance / capacitance / data hold / relative measurement / continuity testing
<b>Power</b>	Battery	1 x 7.4V li-ion polymer battery, 3000mAh, 22.2Wh	1 x 7.4V li-ion polymer battery, 5000mAh, 37Wh
Power Output	12VDC 2A / PoE: 25.5W (802.3at)	12VDC 2A / USB: 5VDC 2A / PoE: 25.5W (802.3at)	12VDC 2A / PoE: 25.5W (802.3at)
Charging Time	3 ~ 4 hours	5 ~ 6 hours	3 ~ 4 hours (per battery)
Working Time	8 ~ 10 hours	8 ~ 10 hours	8 ~ 10 hours (2 batteries, can operate on 1 battery)
<b>Environment</b>	Storage	Built-in 8GB flash	Built-in 8GB flash, SD card (max. 32GB)
Working Temperature	-10°C ~ +55°C		
Working Humidity	30% ~ 90%		
Dimensions	190 x 113 x 37mm	270 x 160 x 46mm	235x135x45mm
Weight	1.6kg	2.1kg	0.93Kg