

CCTV Tester

TESTPRO-2612

3.5 inch full-view TFT-LCD

/PTZ controller/Colorbar generator



The new CCTV tester is developed for the On-Site installation and maintenance of IP camera, analog camera and network device, with Video display, PTZ control, DC12v output power, Audio test, Color bar generator, RS 485 Data searching and Cable testing, which are the same to the previous models. The new developed functions include POE power supply testing, PING testing, IP address scan, Cable scan, Video snapshot, Optical power meter, Video record, Image magnification, Port flicker, LED lamp etc. The new tester also has built in TDR cable testing, which is specialized designed for BNC cable testing in the security monitoring system. This function can accurately measure BNC cable and network cable's break point and short-circuit location. The new tester designed with easy operation and portability makes it simple for a cctv technician or installer to install and maintain CCTV systems, improving work efficiency by reducing time in the field.

Applications:

- Find out the other end of the cable in security maintenance and network engineering
- CCTV system installation and maintenance
- Dome camera and All in one camera testing
- The CCTV transmitting channel testing
- PTZ controller

Features:

- 3.5 inch full-view TFT-LCD, 480(RGB)x320 *new*
- low consumption, work for 11 hours
- OSD menu, English, Chinese and other languages optional
- LCD screen brightness/contrast/color Saturation adjustable
- Automatically identify and adapt the video mode of NTSC and PAL
- Enhanced colorbar generator,by receiving the video color bar to test the video channel whether transmit normally *new*
- Moveable Micro SD *new*
- LED Lamp, easy to operate at night *new*
- User-defined shortcut keys (F1 and F2) *new*
- Cable scan, send the specific signal, easy to find the connected cable *new*
- 10x zoom,video image can be magnified to view the details, easy to use *new*
- Snapshot and save the current image as JPG file in the SD card *new*
- Optical power meter, used for optic fiber CCTV monitor system, CATV system, optic fiber communication networks deployment and test *new*
- PING testing, test IP camera or other network devices' ethernet port whether work normally, and the IP address whether is right *new*
- IP address scan, quickly search the IP address for the connected IP camera and other network devices *new*
- POE voltage measurement, test the PoE switch's voltage to IP cameras, wireless AP device and other PD devices *new*
- Device Port flicker, easy to find the connected POE switch port by sending special signals, the connected POE port will flicker at special frequency. *new*
- Link monitor; check the setting IP address whether occupied *new*
- 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
- Multi-protocol. Supports more than thirty PTZ protocols. Such as PELCO-P, PELCO-D, SAMSUNG
- Support RS232/RS485/RS422, rate 600 ~ 115200bps adjustable
- Lithium Ion Polymer Battery. The device employs advanced power control and protection circuit
- Display the data and image in on the screen at the same time.
- Easy for use that the train is almost unnecessary

Function:

1. Video signal testing

- ✧ The new cctv tester, built-in high definition 3.5"LCD-TFT 480 (RGB) x320 full-view display screen, easy and directly displays the camera image quality
- ✧ Support PAL/NTSC
- ✧ LCD screen brightness/Contrast/Color Saturation adjustable. Suitable for field construction and maintenance work

2. Video signal level test

Test video signal strength attenuation, longer video signal cable will cause the image to be dim, and reduce the image dynamic range, video signal is too strong, it will cause the virtual shadow, and reduce the sharpness of the image.

It also can real-display the video level value, if out of range, notices will be display in the screen.

3. PTZ controller

Display the input video images. Pan/tilt the P/T unit and zoom in/ out the image. Setup the controlling parameters like protocol, communication port, baud rate, PTZ ID, pan/tilt speed; set and call preset position.

4. Enhanced Color bar generator

Video Generating, the PAL/NTSC multi-system color bar video generator (Eight-system switchable, transmit/receive eight-system colorful imagines). By receiving the video color bar to test the video channel whether transmit normally. And judge whether the color is different, because of the transmission loss or interference, it suitable for Video transmission of the field tests, such as optical video transmitter and receiver, video cable etc.

The new function color bar can test the image whether shift.

The color bar (red, green, blue, white, black) test the monitor whether have white or black dot etc.

5. DC12V 1A output power

Power the camera with DC12V (1A) power output from the tester. It is helpful for demo and testing when the power supply is not available.

6. Audio testing

Test the audio input from pickup devices. Connect the tester and pickup device with the audio cable.

7. Cable tester

Test LAN cable or telephone cable.

Connect LAN cable or telephone cable with the CCTV tester and cable tester. And then the connecting status, cable type and the sequence of wires will be displayed, as well as the serial number of the cable tester kit.

8. PTZ controller

Search the Control protocol code from Multifunction keyboard or DVR by RS485 /RS232 interface, test the PTZ control command data whether received anomaly and RS485/RS232 data transmission.

Screen displays 16 hexadecimal codes such as
PELCO-P: A0 00 (Add) xx xxxxxx AF xx
PELCO-D: FF 01 (Add) xx xxxxxxxx

9. PTZ address scanning

Search up the ID of PTZ camera. Help the engineer search the speed dome address quickly.

10. Image magnification (10xZoom)

Set image 10x zoom, can view and display the details by 1x、2x、3x、4x、5x、6x - 10X zoom in the monitor and tester.

11. Video snapshot

Capture the video image and save the current video frames as JPEG file

12. Video record

Record and save the current video in the SD card

13. Video playback

Video image and record files are saved in the SD card. Storage file directory can be created according to the date

14. Port flicker

The tester will send special signals to make the connected POE port flicker at special frequency, which will enable the installers to easily and quickly find the connected ethernet cable. This function can prevent mistakenly insertion or disconnection non-corresponding cable to artificially interrupt network connection.

15. IP address scan

In digital IP surveillance applications, if IP camera's IP address is not clear or forgotten; the device cannot be used .

IP address scan can quickly search the connected IP camera or other network device's IP address.

16. Link monitor

To add an IP camera or other network device to the current network group, the new IP address must not be occupied, otherwise it will cause IP conflicts and stop the equipment normal working. Link monitor can check if the new setting IP address is occupied.

17. PING test

PING is the most conventional network debugging tools; It is used for testing if the connected IP camera or other network equipment's ethernet port is working normally and the IP address is correct.

18. POE tester

It can test the POE voltage when the POE switch is supplying the POE power to IP camera. It can clearly display the power+ and power- on the ethernet cable pins, each cable pin's voltage and the failure connection of cable pin series numbers.

19. LED lamp

It is useful for the Engineer to install and maintain security system at night. LED On/Off pressing button, easy operation.

20. F1、F2 User-defined shortcut keys

The user-defined shortcut key is designed for improving the efficiency for the engineer, anytime press, easy to operate.

21. Optical Power Meter

The New tester adopts the most advanced handheld instrument specific integrated chip , achieve ultra-low power operation, with the 3.5 TFT-LCD High-definition screen display , five wavelength calibration points 1625nm、 1550nm 、 1490nm 、 1310nm 、 1300nm 、 850nm.Linear or nonlinear optical power display, it can measure the optical power value, and also be used for Relative measurement of optical fiber link loss. It is necessary tool for fibre-optic communication, cable television system and security system maintenance.

22. Cable scan

Send the specific signal, easy to find the connected cable.

Specifications

Model	TESTPRO-2612 (6th generation)
Video Test	
Signal mode	NTSC/PAL (Auto adapt)
Display	3.5 inch digital TFT-LCD ,480 (RGB) x 320 resolution
LCD adjustment	Brightness, Contrast, Saturation adjustable
Video IN/OUT	1 channel BNC Input & 1 channel Output
Video Output Mode	1.0 Vp-p
Video Level test	
Level test	Video signals measured in IRE or mV
PTZ controller	
Communication	Support RS232 and RS485
PTZ Protocol	Compatible with more than 30 protocols such as PELCO-D/P, Samsung, Panasonic, Lilin, Yaan, etc.
Baud Rate	600, 1200, 2400, 4800, 9600, 19200,57600,115200bps
Video Signal Generation	
Color bar generator	Output one channel PAL/NTSC color bar video signal for testing monitor or video cable.(red, green ,blue, white and black color)
UTP Cable Test	
UTP cable test	Test UTP cable connection status and display in the screen. Read the number of the test box.
DC12V 1A power output	
DC12V power output	Output DC12V1A power for camera
Cable Scan	
Cable Scan	Search the cable by the audio signal
Audio input test	
Audio input test	test the pickup and other audio equipments on the front-end
RS485 data analysis	
Data Monitor	Captures and analyzes the command data from controlling device
10 x zoom of image	
Image 10x zoom	10x zoom image display and video out
Photograph, Video record, Record playback	
Photograph	snapshot and save the current image as JPG file
Video record	Video record and storage the file
Record playback	To view the storage file in the SD card
Port flicker	

Port flicker	Find the connected POE port quickly.
IP scan, Link monitor, PING test	
IP scan	Find out the connected IP camera or the other network equipment IP address quickly.
Link monitor	Check the IP address whether is occupied
PING testing	Test IP camera or Ethernet port of the other network equipment whether work normally, and check the IP address
POE tester	
POE tester	Display the power supply voltage and cable connection states
Optical power meter	
Calibrated Wavelength(nm)	850/1300/1310/1490/1550/1625nm
Power range(dBm)	-70~+10dBm
Sensitivity(nW)	0.001nW
Connector type	FC/PC
Data hold	Display data hold
Relative measurement	Display the measurement value
POWER	
Power Adapter	DC 5V (1.5A)
Battery	Built-in 3.7V Lithium polymer battery ,3000mAh
Rechargeable	After charging 3-4 hour, working time lasts 11 hours
Low Consumption	Energy saving technology, the battery icon real-time display
Parameter	
Operation setting	English/Chinese and other languages OSD menu
Auto off	5-60 (mins)
Keytone	On/Off
General	
Working Temperature	-10°C---+50°C
Working Humidity	30%-90%
Dimension/ Weight	194mm x 112mm x 48mm / 540g

The above information is only for reference. More information, please contact us.