4.3 inch IP Camera Tester

4.3 inch IP camera tester, with capacitive touch screen, 800×480 resolution, display IP camera image either by ONVIF, either by customized IP cameras protocols (over 70 protocols have included), either by mobile apps of IP cameras, either by RSTP, support both ONVIF and analog PTZ controller, 4 x zoom in the image, image screenshot, video recording and playback, built-in WiFi, allow user to connect to a wireless network and view IP cameras, FTP Server, Static IP address, DHCP, simultaneously test different segments' IP cameras, Network bandwidth testing, PoE 24W power supply to IP camera, PoE voltage testing, HDMI signal output, support 1080P, support DC12V 2A power output to camera, USB 5V 2A power output to mobile phone, PoE port finder, link monitoring, ip camera's ping testing, ip address scan, BNC input & output, NTSC/PAL auto-selecting, video signal measurement, preset setting, UTP cable testing, PTZ data analyst, RS485 communication address scan, audio input testing and output, Led lamp, one 4G SD card included, 7.4V DC 5000mAh lithium polymer battery, working for 16 hours, firmware upgradable by user, etc.

Applications:

- CCTV system installation and maintenance
- Network cabling project installation and maintenance
- Analog cctv camera testing
- IP camera testing
- HD-CVI camera testing
- HD-TVI camera testing
- AHD camera testing

Features:

- English, Italian, Polish, etc
- 4.3 inch LCD screen display, with capacitive touch screen, 800*480 resolution
- Display ONVIF IP camera image, ONVIF PTZ controller
- Support more than 70 customized IP cameras protocols
- Support video management software and RSTP to view IP camera image
- Built-in WiFi to receive network image and data, support Browser
- 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
- User-defined shortcut keys (F1 and F2)
- 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
- Video signal level test
- 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
- Support RS232/RS485/RS422, 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
- PEAK video signal level, SYNC signal level, COLOR BURST chroma level measurement   *(optional)
- Cable tracer, Send the specific signal, easy to find out the connected cable from messy cables.   *(optional)
- HD-CVI camera testing, image display, zoom, video record and playback, Coaxial PTZ control, etc.
- HD-TVI camera testing, image display, zoom, video record and playback, Coaxial PTZ control l, etc.
- AHD camera testing, image display, zoom, video record and playback, Coaxial PTZ control l, etc.
- HD-SDI input, 1 channel SDI in (BNC interface), resolution max : 720p 60fps / 1080p 30fps /1080i 60fps   *(optional)
- Multimeter, voltage, current, resistance and capacitance can be tested, continuity testing, diode testing
- Fiber optic power meter, it can measure the optical power value *(optional)
- Visual fault locator, check fiber optical's breaking, cracking, bending failure etc   *(optional)
- TDR cable tester, cable length and short – circuit measurement (BNC cable, network cable etc.)   *(optional)
- 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 16 hours for normal use after charging for 8 hours

Specification

Model Number	4.3 inch ip camera tester series
Signal System	NTSC / PAL (Auto-Selecting)
Display	4.3 inch LCD screen display, with capacitive touch screen
Resolution	800*480 resolution, support Resolution 1920 x 1080, 1080 x 720
IP camera type	ONVIF, ONVIF PTZ, ACTi, Dahua IPC-HFW2100P, Hikvision,DS-2CD864-E13, Samsung SNZ-5200, Honeywell HICC-2300T, etc. Customized protocols are available
Network test	FTP Server, Static IP address, DHCP, simultaneously test different segments' IP cameras, Network bandwidth testing
Management software	Support video management software to view IP camera image, such as Hikvision ivms-4500, Dahua gDMSS HD Lite
RSTP	Support RSTP to view IP camera image
LCD adjust	Adjustable brightness, contrast, color of LCD
HDMI signal output	support 1080P

Network port	10/100M auto adjust, RJ45
Wifi	Built in Wifi, speeds 150M, receive wireless camera image etc
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
Video Level Test	Video signals measured in IRE or mV
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	RS232, RS422 simplex and 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	7 hours charge, work for 16 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
UTP Cable Test	Checks connections of UTP cables
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
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 4G Micro SD card, support Micro SD card for recording, max support 32G SD card
Cable Tracer *(optional)	Find out the connected cable from many messy cables. Connect one end of the cable to tester and the tester will send specific signals, which will enable the blue cable tracker to find out the other end of the connected cable quickly and easily by making clearly sound.
Video level meter *(optional)	PEAK video signal level, SYNC signal level, COLOR BURST chroma level measurement
HD-CVI camera testing	HD-CVI camera image display, zoom, video record and playback, coaxial PTZ control and call camera OSD menu, support 720p and 1080p
HD-TVI camera testing	HD-TVI camera image display, zoom, video record and playback, coaxial PTZ control and call camera OSD menu, support 720p and 1080p
AHD camera testing	AHD camera image display, zoom, video record and playback, coaxial PTZ control and call camera OSD menu, support 720p and 1080p
HD-SDI input *(optional)	1 channel SDI in（BNC interface）, resolution max : 720p 60fps / 1080p 30fps /1080i 60fps
Multimeter	Voltage, current, resistance and capacitance measuring, continuity testing, diode testing.
Fiber optic power meter *(optional)	Testing the laser power of Video Fiber Optic Transmission equipment and Fiber Optic Patch Cord.

Visual fault locator *(optional)	Check fiber optical´s breaking, cracking, bending failure etc (SM and MM fiber)
TDR break-point and short circuit testing *(optional)	Accurately measure BNC cable, network cable and telephone cable´s break-point and short-circuits location. TDR breakpoint will determine where the breakpoint is. And it can indicate the distance in "meters" measuring in the tester. The farthest distance is 1200 meters.
Dimension	290mm x 240mm x 100mm (colour box)
Gross Weight	1780g (Tester with spart parts, box)

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