

**ON-SITE INSTALLATION & MAINTANCE OF CAMERA**

**TMIP35**  
**CCTV TESTER**



**OVERVIEW**

ORION Images new CCTV tester TMIP35 is developed for the on-site installation and maintenance of IP, analog camera. Also this CCTV tester developed for video system installer with video display, PTZ control, DC12V output power, audio, color pattern generator, RS-485 data searching and cable testing. This unit has functions include POE power supply testing, PING testing, IP address scan, video screen shot, video record, image magnification, port flicker, cable search, LED lamp etc. The TMIP35 CCTV tester is designed for easy operation and portable to carry for the technician or installer, which helps improve work efficiency by reducing time in the field.

**FEATURES**

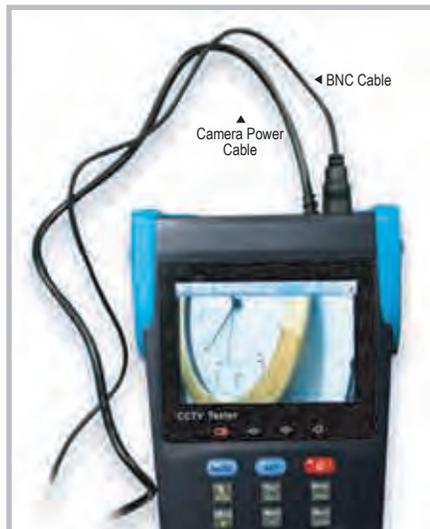
- » 3.5" TFT-LCD, 480 (RGB) x 320
- » LED Lamp, easy to operate at night
- » 4GB Micro SD card included video record & playback, snapshot & save the current image at JPG file
- » User defined shortcut keys (F1 and F2)
- » LCD screen brightness / contrast / color saturation adjustable
- » Automatically adapts and displays the video format of NTSC / PAL, 10 x zoom
- » PING testing, test for IP camera or other network devices ethernet port
- » IP address scan is searching the IP address for the connected IP cameras, wireless AP and PD devices
- » POE voltage measurement is testing PoE switch's voltage to IP cameras, wireless AP & DP devices
- » Device port flicker is to find the connected PoE switch port & connected PoE will flicker at special frequency
- » Link monitor is to check any occupied IP address setting
- » Network cable & Telephone cable testing displays the sequence of connection & the No. of LAN cable
- » Support RS232 / RS485 / RS422, Rate 600 ~ 115200bps adajustable
- » Multi-protocols are supports more than thirty PTZ, such as PELCO-P, PELCO-D, SAMSUNG
- » PTZ protocol analysis is to check RS485 transmission is normal or fault device
- » PTZ control is adjust Pan / Tilt / Zoom of lens focus, aperture and preset position of camera
- » DC12V 1A power output for camera
- » Audio input test is testing the audio signal from pickup devices
- » Lithium Ion Polymer battery is last up to 11 hours for normal use after 4 to 5 hours of charging



### MAJOR FUNCTIONS

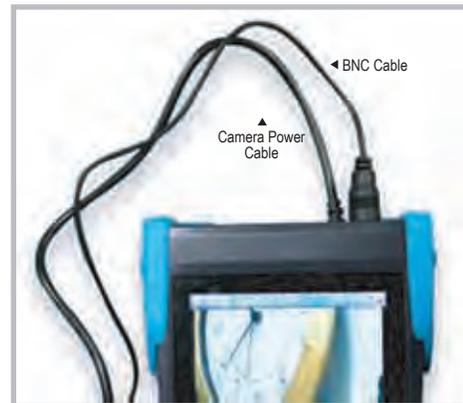
#### Video Signal Testing

This new CCTV tester is built-in high definition 3.5" LCD TFT 480 x 320 full view display screen, easy and directly display the camera image quality support PAL / NTSC. LCD screen Brightness / Contrast / Color Saturation adjustable. Suitable for field construction and maintenance work.



#### DC12V 1A Output Power

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



#### 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.

#### PTZ Controller

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

#### 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. Also judge whether the color is different because of transmission loss or interference, it suitable for video transmission of the field tests, such as optical video transmitter and receiver, video cable etc.



#### Audio Testing

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

#### Cable Tester

Test LAN cable or telephone cable.

Connect LAN cable or telephone cable with CCTV tester and cable tester 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.



#### Image Magnification (10x Zoom)

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

#### Video Snapshot

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

### MAJOR FUNCTIONS (Continue)

#### Video Record

Record and save the current video in the SD card.



#### Video Playback

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

#### Cable Scan

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

#### 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.

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



#### 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.

#### Ping Test

PING is 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.



#### 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.



#### Digital Multimeter

CCTV Tester built in highly stable and reliable 3 3/4 digit (6600) digital multimeter. It is used for the DC and AC voltage measurement, AC and DC current measurement, Resistance measurement, Continuity test, Diode measurements, Capacitance measurement, Auto / Manual measuring range switching, relative measurement and lockin. It is easy operation and professionally accurate.

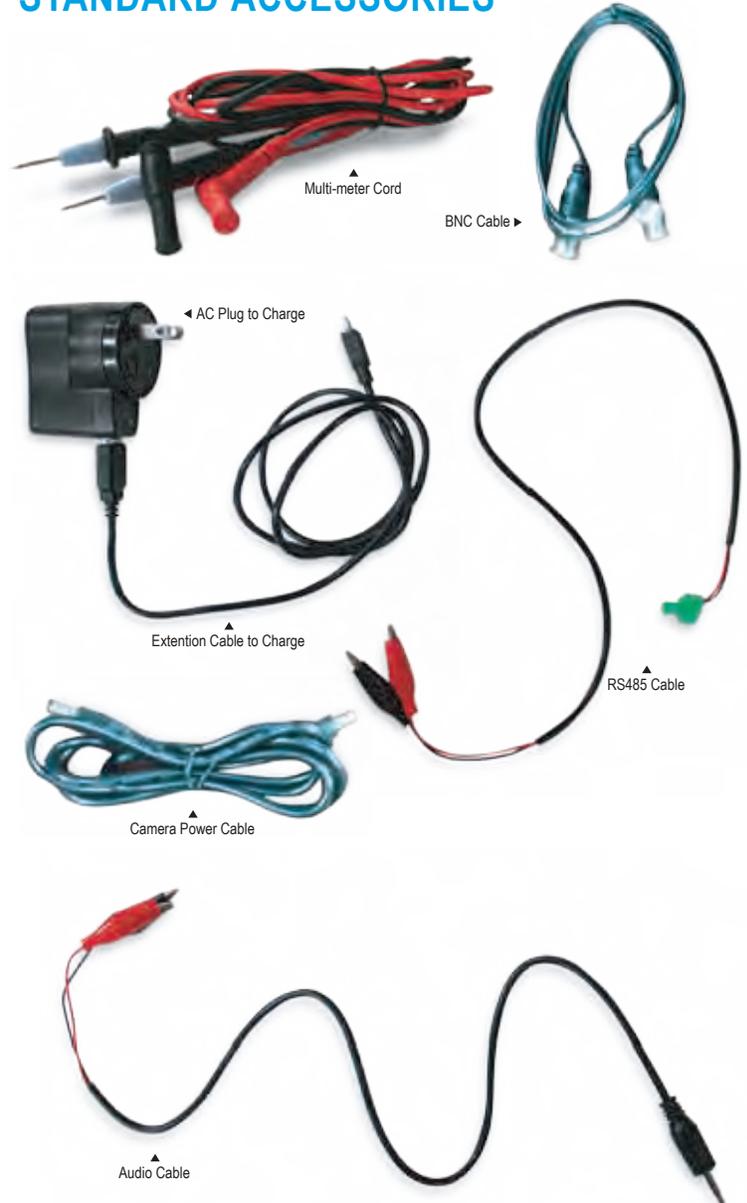


### SPECIFICATIONS

TMIP35	
<b>Video Test</b>	
Signal Mode	NTSC / PAL (Auto adapt)
Display	3.5 inch digital TFT-LCD / 480 x 320 (RGB)
LCD Adjustment	Brightness, Contrast, Saturation adjustable
Video In / Out	1 ch BNC input & 1 ch output
Video Output Mode	1.0 Vp-p
<b>Video Level Test</b>	
Level Test	Video signals measured in IRE or mV
<b>Video Level Meter (Optional)</b>	
Video Level Meter	PEAK video signal level, SYNC signal level, COLOR BURST chroma level measurement
<b>PTZ Controller</b>	
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
<b>Video Signal Generation</b>	
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)
<b>UTP Cable Tester</b>	
UTP Cable Test	Test UTP cable connection status and display in the screen. Read the number of the test box.
<b>DC12V 1A Power Output</b>	
DC12V Power Output	Output DC12V 1A power for camera
<b>Audio Input Test</b>	
Audio Input Test	Test the pick up and other audio equipment on the front end
<b>RS485 Data Analysis</b>	
Data Monitor	Captures and analyzes the command data from controlling device
<b>10x Zoom Image</b>	
Image 10x Zoom	10x zoom image display and video out
<b>Photograph, Video Record, Record Playback</b>	
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
<b>Port Flicker</b>	
Port Flicker	Find the connected PoE port quickly
<b>Power</b>	
Power Adapter	DC 5V (1.5A)
Battery	Built-in 3.7V Lithium polymer battery, 300mAh
Rechargeable	After charging 3 ~ 4 hours, working time lasts 11 hours
Low Consumption	Energy saving technology, the battery icon real-time display
<b>Environment</b>	
Working Temperature	-10° C ~ +50° C / 14° F ~ 122° F
Working Humidity	30% ~ 90%
<b>General</b>	
Dimension (Inch)	7.64" x 4.41" x 1.89"
Weight (lbs)	1.19 lbs

\*Design and specifications are subject to change without notice

### STANDARD ACCESSORIES



### MORE PRODUCT VIEW

