

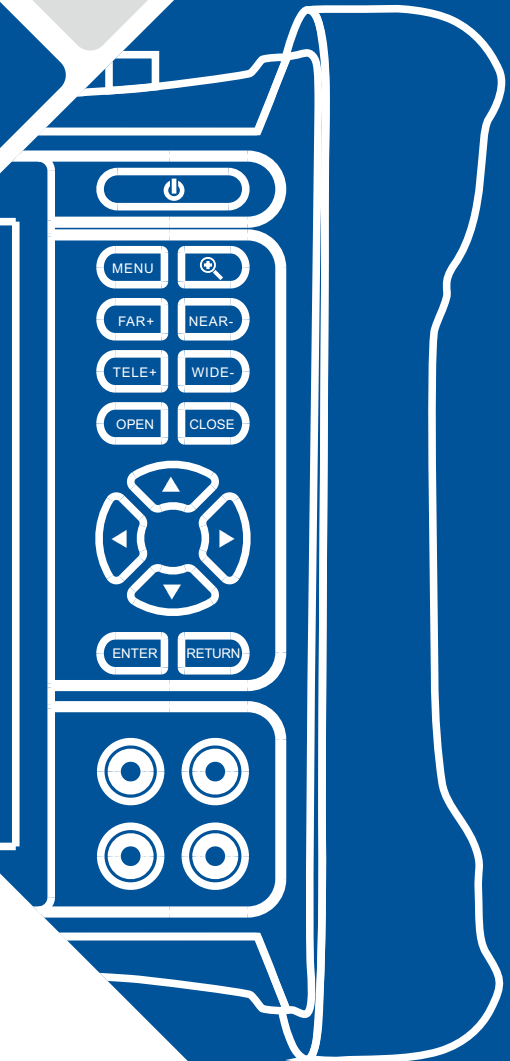


Multi-functions CCTV tester for
IP / TVI / CVI / AHD
EX-SDI/HD-SDI/3G-SDI
Analog system

WANGLU®

Guangzhou Wanglu Technology Co.,Ltd

www.cctvtester.com



X9-MOVTADHS

Camera Configuration, Installation and Troubleshooting Tester

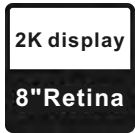


Highest Performance Ever



Technology update

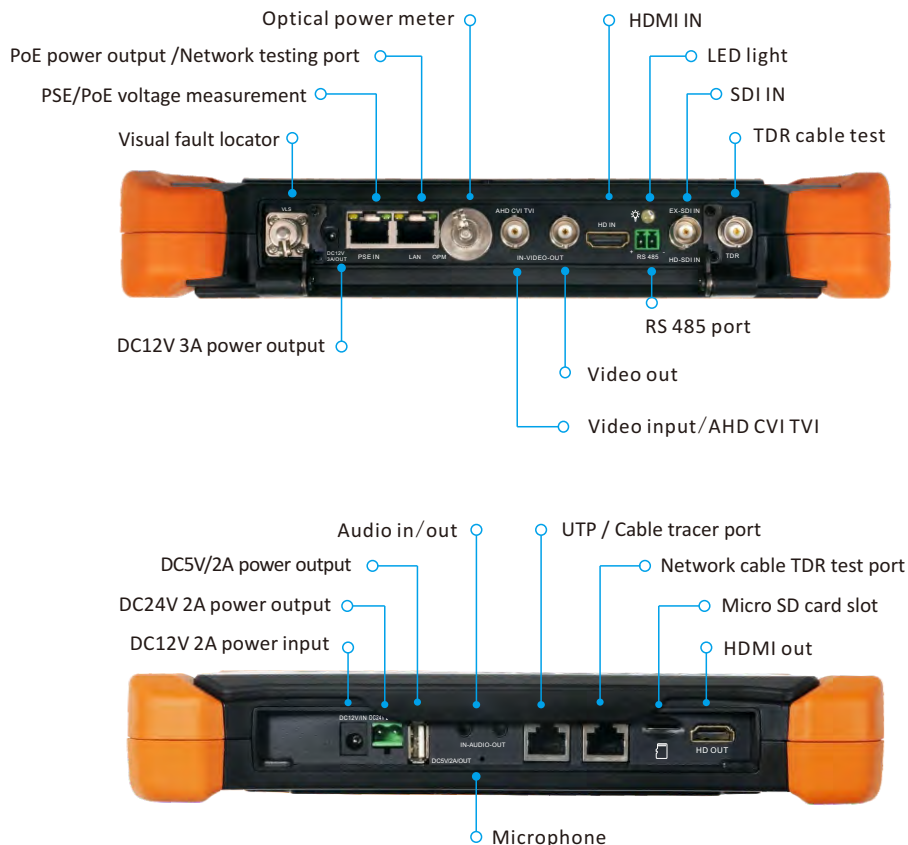
- 4K 60fps HDMI input
- PoE++ , 65W output
- 2.4G/5G WIFI



Anti-sunlight Protect Cover



8MP TVI CVI AHD EX-SDI/HD-SDI/3G-SDI/IP/Analog camera tester



WANGLU[®]

GUANGZHOU WANGLU TECHNOLOGY CO., LTD



- Founded in 2003, Guangzhou Wanglu Technology Co., Ltd is a high-tech company specialized in the developing, manufacturing and sales of CCTV tester, EX-SDI, HD-SDI, 4K, H.265, TVI, CVI, AHD, IP and analog camera tester, fiber tester, cable tester and OTDR products. We insist on opening cooperation, focusing on high quality and improving innovative ability.
- All our products have got CE, FCC, RoHS certifications. They have been approved by plenty of customers whom from around the world like America, Europe, Middle East, Asia and Australia.
- "Innovation, integrity, professionalism, aggressive" is our business philosophy. We will supply high quality products, excellent service and good reputation with customers for a better future. We sincerely welcome you contact with us and do the mutual benefit business with each other in the near future!



Factory Introduction



R&D department



Marketing department



Reception



Private owned SMT Patch Line



Finished good area



Workshop



CTI 质量管理体系认证证书
质量管理系统认证证书
广州网路电子有限公司

CERTIFICATE
ATTESTATION
Certificate of Compliance
The Product has been tested and found conformant with the requirements of AT CPE of RoHS...

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Application fields

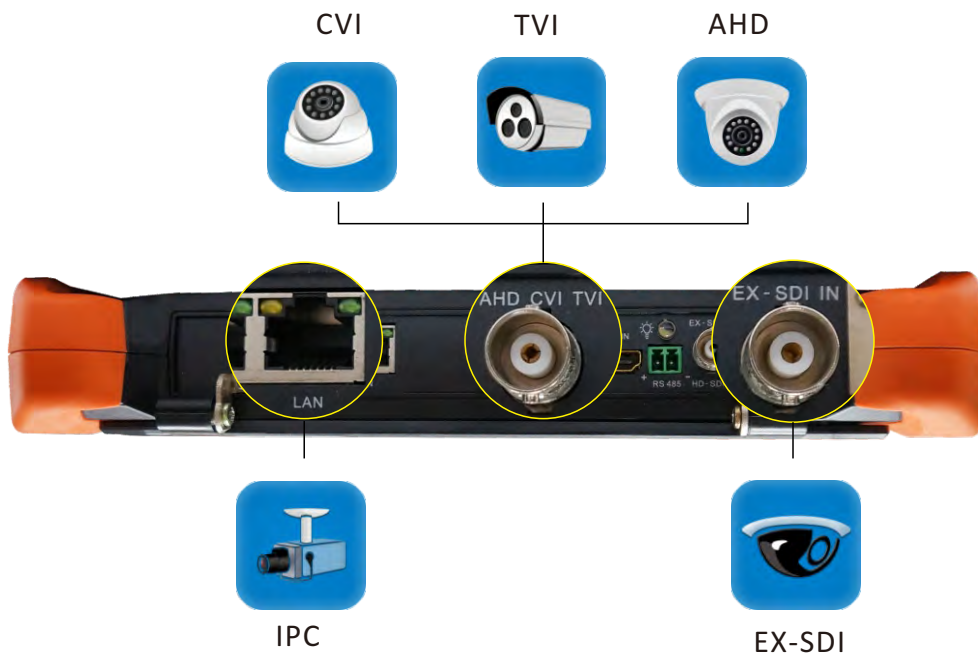
CCTV tester is an installation and troubleshooting tester for digital/IP, HD coax and analog CCTV systems. CCTV installers often need to carry a variety of testing tools to complete their work. This new tester combined the most needed tools in one easy-to-carry package. The meter eliminates the need to juggle several devices while on a ladder or lift, making working conditions safer and increasing productivity.

- Video surveillance project
- Integrated wiring Network test
- Network cable project
- Fiber optic CATV project
- Optical fiber communication experiment test
- Security equipment maintenance
- Dome camera test
- Video transmission Channel detection
- PTZ protocol control



Full 4K HD camera test

- ▶ New hardware decoding, support H.265 camera test via mainstream.
- ▶ In H.265/H.264 decoding, the mainstream resolution up to 12MP.
- ▶ HD coaxial 4.0, support TVI 8MP, CVI 8MP, EX-SDI 8MP, AHD 8MP camera test, UTC control and call OSD menu, support snapshot, video record, 4xzoom and playback.



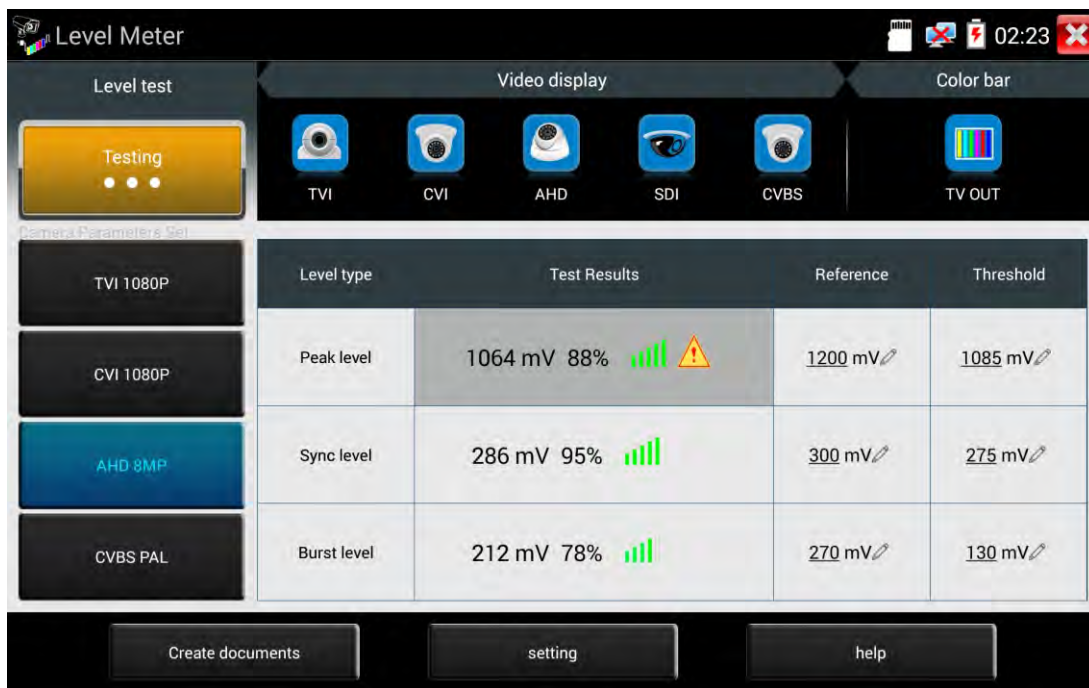
HD coaxial camera type / Resolution

Resolution Camera	720P	1080P	3MP	4MP	5MP	6MP	4K(8MP)
CVI	1280X720P 25/30/50/60FPS	1920X1080P 25/30FPS	— —	2560X1440P 25/30FPS	2592X1944P 20FPS	2880X1920P 20FPS	3840X2160P 12.5/15FPS
TVI	1280X720P 25/30/50/60FPS	1920X1080P 25/30FPS	2048X1536P 18/25/30FPS	2688X1520P 15FPS 2560X1440P 15/25/30FPS	2592X1944P 12.5/20FPS	— —	3840X2160P 12.5/15FPS
AHD	1280X720P 25/30/50/60FPS	1920X1080P 25/30FPS	2048X1536P 18/25/30FPS	2560X1440P 15/25/30FPS	2592X1944P 12.5/20FPS	— —	3840X2160P 15FPS
EX-SDI-V2.0	1280X720P 25/30/50/60FPS	1920X1080P 25/30/50/60FPS	— —	2560X1440P 25/30FPS	— —	— —	3840X2160P 25/30FPS
HD-SDI	1280X720P 25/30/50/60FPS	1920X1080P 25/30/50/60FPS	— —	— —	— —	— —	— —
3G-SDI	— —	1920X1080P 50/60FPS	— —	— —	— —	— —	— —

Resolution Decoding	720P	960P	1080P	3MP	4MP	5MP	6MP	8MP	4K	12MP
H.265	√	√	√	√	√	√	√	√	√	√
H.264	√	√	√	√	√	√	√	√	√	√

HD coaxial video level meter

- ▶ Through hardware high-speed sampling and processing technology, accurately measure video peak level, sync level and burst level, can check camera transmission image quality.
- ▶ Combined HD coaxial and analog camera test, can select corresponding camera type and display image directly.



↑
By one key to create testing report, save level value, camera and meter info

Accurately judgment BNC cable whether is normal

Video level	Reference value
Peak level	1000±200mV
Sync level	300±35mV
Burst level	220±20mV

Different camera manufacturers, different standards

Power output

► Power supply for various type cameras, more convenient to debug.



PoE++, up to 65W output



DC 24V 2A power output



DC 12V 3A power output



DC 5V 2A power output

4-channel ONVIF test



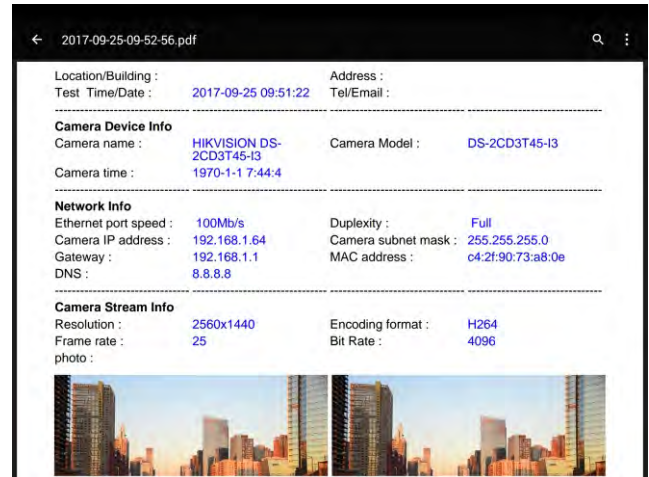
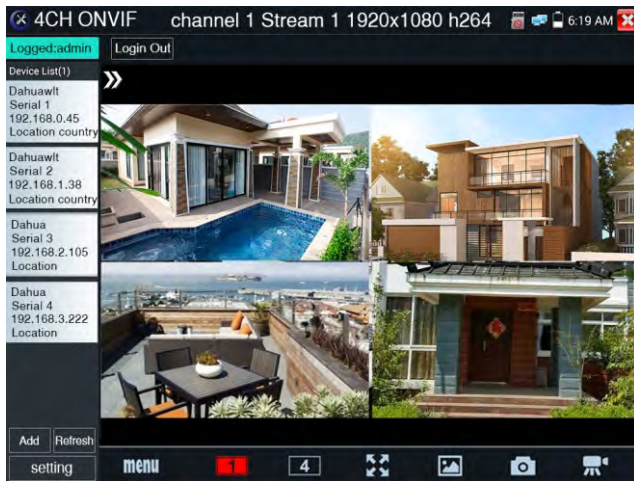
4-channel SYN display

Support 4 channels H.264/1080P



Single channel/4K mainstream display

Support 4K/H.265 mainstream test



Lens simulation



Focus function



4K

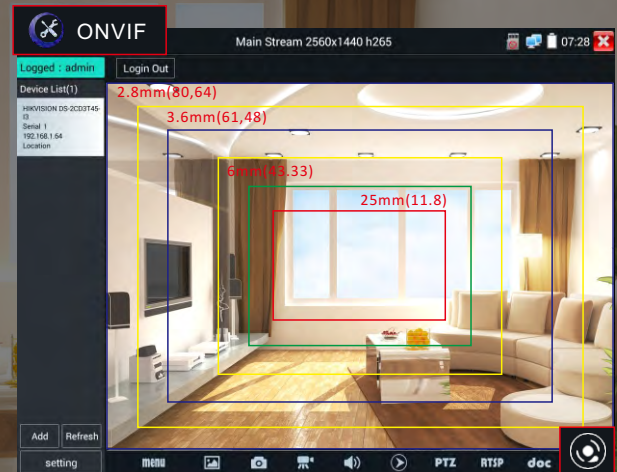


H.265 mainstream



ONVIF testing report

▶ Lens simulation





4K HDMI input and output

- ▶ HDMI input, support 4K 60FPS
- ▶ HDMI output, support 4K 30FPS

4K | 4K HD resolution
Ultra HD | 3840x2160 pixels HD image display

60hz | 60hz
60 frames per second of high-quality image



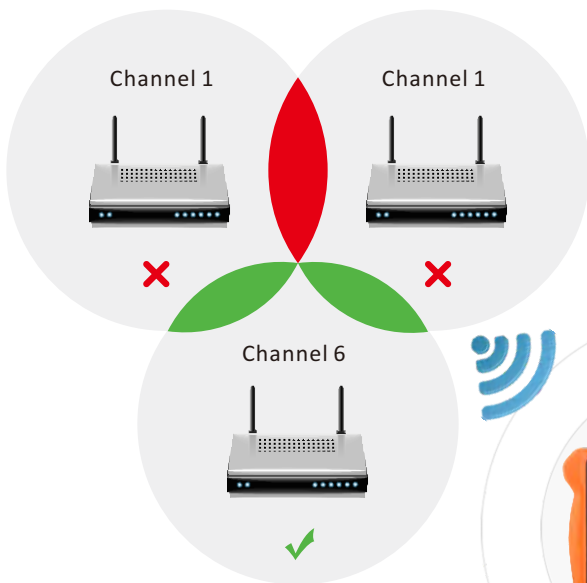
4K HDMI input, test and debug XVR/NVR



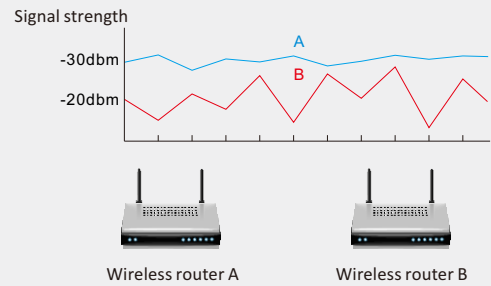
4K 30FPS output, 4K 60FPS input

Wi-Fi Analyzer

Channel optimization adjustment



Check Wi-Fi signal strength and stability



View Wifi details



Intelligent fast charging

Intelligent fast charging & Larger capacity

Improve work efficiency



Charging 10 minutes, working for 30 minutes

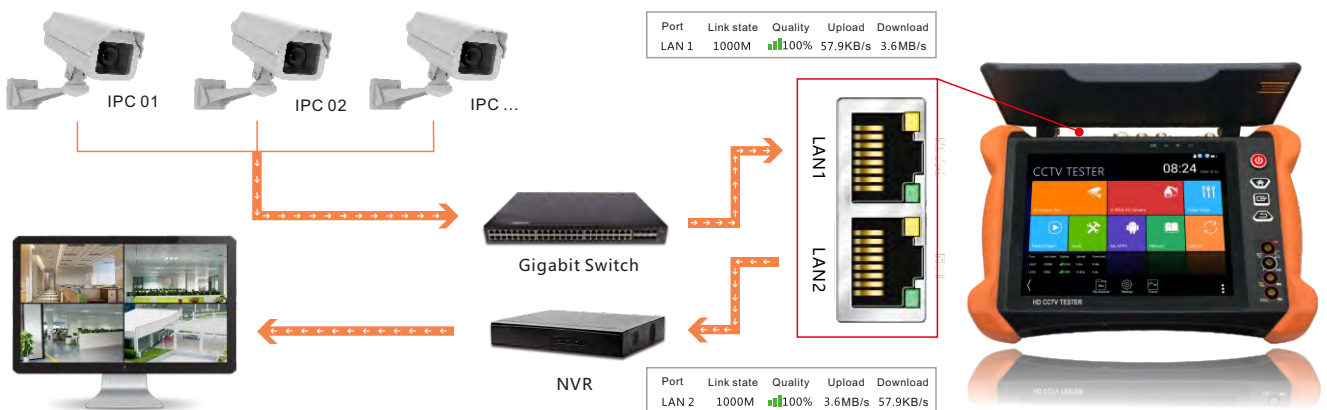


7000mAh Lithium Polymer battery

► The full Charging time is about 3.5 hours, working time lasts 13 hours.

Dual 1000M Ethernet ports

Connect two cameras to LAN port and PSE IN port, support 2000M Two-Sided data transmission rate, improve network transmission performance, one end connect to camera, the other end connect to NVR, online detection of access network device traffic, bandwidth information and network communication quality.



TDR 2.0 cable test



- ▶ Cable shorts, opens and length test, measure max. 1.2KM length.
- ▶ New interface and system, the curve and value simultaneously display, move the curve, locate the fault point.
- ▶ The cable wave speed can be manually added and adjusted, and fault value directly display , BNC cable, elevator cable, RVV cable, network cable, and telephone cable etc test.

The screenshot of the TDR_V2.0 software interface displays the following data:

Cable :	UTP CAT 5E (4Pair)	
Type :	Ethernet cable	
Wave velocity	199	
Company: m	start	
P1(1-2):	304 m / Open	P2(3-6): 306 m / Open
P3(4-5):	305 m / Open	P4(7-8): 303 m / Short

The graph shows a signal reflection curve with a sharp peak at approximately 300m, indicating a fault point. The device is labeled 'HD CCTV TESTER' and 'CCTV TESTER'.



Telephone cable



BNC cable



Network cable



Elevator cable



RVV cable

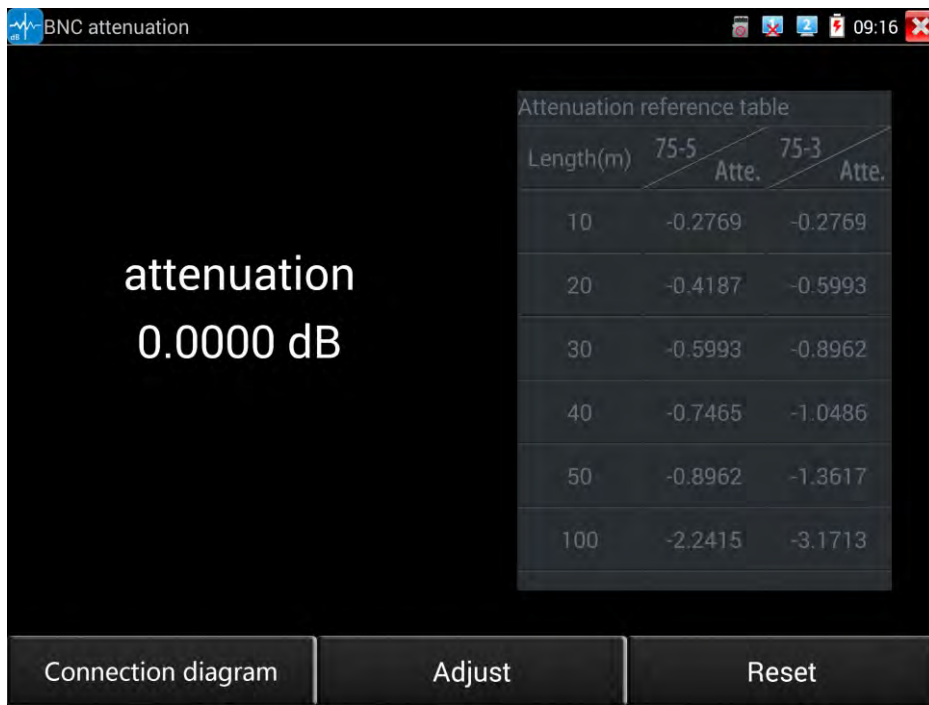


Power line

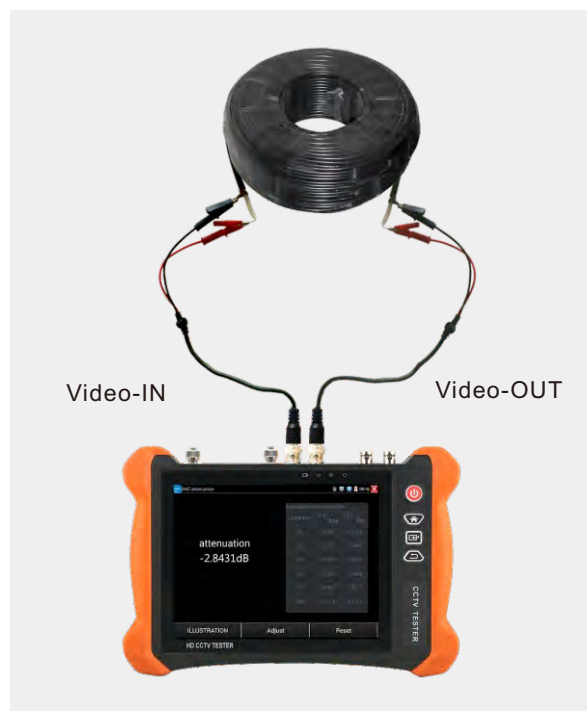
BNC attenuation test



- ▶ Through hardware high-speed sampling and processing technology, test the BNC coaxial cable transmission attenuation value, detect the transmission quality of BNC cable.



Operation



Digital cable tracer



- ▶ Can search network cable, BNC cable and shielded cable, decisively rejects noise and false signals. Locate cables quickly and easily. Cable tracer and cable sequence test app in the same interface, can improve work efficiency.



Cable tracer: the meter will send specific signal, search connected cable from the mess cables.



PoE and PSE switch powered test, judge PoE power whether is normal, and through power by Pin "1236" or "4578" or both

RJ45 TDR cable test



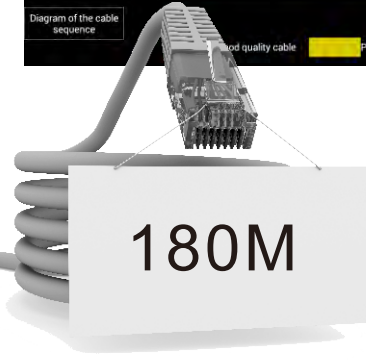
- ▶ Test cable pair status, length, attenuation, reflectivity, impedance, skew etc. measurement range 180M



RJ45 cable TDR test

Link	line pair	status	length(m)	attenuation (dB/100m)
Link 1	1 2	open	179.2	-4.0
	3 4	open	180.0	-3.7
	5 6	error	179.2	-4.4
	7 8	error	178.4	-4.1
Link 2	1 2	open	12.8	-4.1
	3 4	error	11.3	-0.1
	5 6	error	10.5	-0.8
	7 8	open	12.1	-4.4

Legend: ■ Good quality cable ■ Poor quality cable ■ Wet cable



Reflectivity, impedance and skew test





Technology update

- 4K 30fps HDMI input
- Dual 1000M network ports
- 2.4G/5G WIFI

X7 SERIES

- 7 inch retina touch screen, 1920*1200 resolution
- 8MP HD Coax, IP and Analog camera test
- H.265/H.264, 4K video display via mainstream
- Dahua, Hikvision, Axis etc ONVIF camera test
- Rapid ONVIF, auto view video and create testing report
- DC12V 3A, DC24V 2A, DC48V PoE power output
- 10/100/1000M Ethernet, network status and traffic display
- RJ45 TDR cable and UTP cable test
- Digital cable tracer and video level meter
- Supporting install application of Android version



X9 Series

- 8 inch retina touch screen, 2048*1536 resolution
- 8MP TVI CVI AHD EX-SDI/ HD-SDI/3G-SDI /IP /Analog
- Anti-sunlight and screen protecting cover
- 4K HDMI input & output
- Professional Wi-Fi Analyzer & network tool PRO
- DC12V 3A, DC24V 2A, DC48V PoE power output
- 4-channel rapid ONVIF, auto view video and create testing report
- TDR2.0 cable test, max cable test 1.2 km * (Optional)
- Digital multimeter, optical power meter, visual fault locator* (Optional)
- BNC attenuation test, digital cable tracer, coaxial video level meter
- Dual 1000M LAN ports
- TesterPlay: screen projection & remote control



IPC-9800 Plus Series

- 7 inch retina touch screen, 1920*1200 resolution
- 8MP TVI CVI AHD EX-SDI/ HD-SDI/3G-SDI /IP /Analog
- Rapid ONVIF, auto view video and create testing report
- Dual 1000M LAN ports
- Professional Wi-Fi Analyzer
- DC 24V 2A power output
- Professional network tool Pro
- Chrome browser, test and set Axis camera
- Built in WIFI, create WIFI hotspot
- HDMI input and output 1080P
- DC12V 3A, DC48V PoE power output
- 7500mAh Li- battery, 4 hours fast charging, working lasts for 16 hours



IPC-8600 Plus Series

- 7 inch retina touch screen, 1920*1200 resolution
- 8MP TVI CVI AHD EX-SDI/ HD-SDI/3G-SDI/ IP/Analog test
- Dahua, Hikvision, Axis etc ONVIF camera test
- Chrome browser, set Axis etc cameras parameters
- Built in WIFI, create WIFI hotspot
- HDMI input & output, support 1080P
- DC12V 2A, DC48V PoE power output
- Rapid ONVIF, auto view video and create testing report
- UTP cable test, cable connection status test
- RJ45 cable TDR test, cable quality test
- Digital cable tracer and video level meter
- TesterPlay: screen projection & remote control



IPC-1800ADH PLUS

- 4 inch touch screen, 800*480 resolution
- 8MP TVI/8MP CVI/8MP AHD/4K H.265 IP /Analog
- H.265/H.264, 4K video display via mainstream
- Dahua, Hikvision, Axis etc ONVIF camera test
- Rapid ONVIF, auto view video and create testing report
- DC12V 3A, DC48V PoE power output
- 10/100/1000M Ethernet, network status and traffic display
- UTP cable test, cable connection status test
- RJ45 cable TDR test, for network cable shorts, opens, length etc test, max. length test 180M
- 7.4 V /2400mAh Lithium Ion Polymer Battery, after 4~5 hours charging, working time lasts 8 hours



X4 Series

- 4 inch IPS touch screen, 800*480 resolution
- 8MP TVI CVI AHD EX-SDI /HD-SDI/3G-SDI/ IP/Analog test
- H.265/H.264, 4K video display via mainstream
- Dahua, Hikvision, Axis etc ONVIF camera test
- Rapid ONVIF, auto view video and create testing report
- Interface waterproof and dustproof
- DC12V 3A, DC48V PoE power output
- HDMI input, support 1080P
- Backlit button, easy work at night
- UTP cable test, cable connection status test
- Dual 1000M LAN ports
- RJ45 cable TDR test, for network cable shorts, opens, length etc test, test up to 180M



IPC-4300 Plus Series

- 4.3 inch IPS touch screen, 960*540 resolution
- 8MP TVI CVI AHD EX-SDI /HD-SDI/3G-SDI/ IP/Analog test
- H.265/H.264, 4K video display via mainstream
- Upgrade Dahua and Hikvision test tool
- Built in WIFI, create WIFI hotspot
- HDMI input & output, support 1080P
- DC12V 3A, DC48V PoE power output
- Rapid ONVIF, auto view video and create testing report
- RJ45 cable TDR test, cable quality test
- 7.4 V /4600mAh Lithium Ion Polymer Battery, after 5~6 hours charging, working time lasts 10 hours



IPC-3500 Plus Series

- 3.5 inch touch screen, 480*320 resolution
- 8MP TVI /CVI /AHD /IP /Analog camera test (Optional)
- H.265/H.264, 4K video display via mainstream
- Built in WIFI, create WIFI hotspot
- Dual window test, IP & Analog camera test
- IP discovery, auto scan IP address
- DC12V 3A, DC48V PoE power output
- Rapid ONVIF, auto view video and create testing report
- RJ45 cable TDR test, cable quality test
- 7.4 V /2400mAh Lithium Ion Polymer Battery, after 3~4 hours charging, working time lasts 8 hours

Features	Picture									
Item series		X9	X7	IPC-8600 Plus	IPC-9800 Plus	IPC-4300 Plus	X4	IPC-3500 Plus	IPC-1800ADH Plus	IPC-1600 Plus
Standard functions										
Touch screen		Retina screen	Retina screen	Retina screen	Retina screen	IPS screen	IPS screen	Touch screen	IPS screen	Touch screen
Screen resolution		2048*1536	1920*1200	1920*1200	1920*1200	960x540	800x480	480*320	800x480	480*320
Screen size		8 inch	7 inch	7 inch	7 inch	4.3 inch	4 inch	3.5 inch	4 inch	3.5 inch
Dual 1000M LAN ports		√	√	×	√	×	√	×	×	×
Wifi Analyzer		√	√	×	√	×	×	×	×	×
Fast charging		√	√	×	√	×	×	×	×	×
DC24V 2A power output		√	√	×	√	×	×	×	×	×
Microphone		√	√	√	√	√	√	√	√	×
IP discovery & Rapid ONVIF		√	√	√	√	√	√	√	√	√
Non-ONVIF		√	√	√	√	√	√	√	√	√
6K H.265 IP & Analog camera test		√	√	√	√	√	√	√	√	√
Create ONVIF test report		√	√	√	√	√	√	√	√	√
Upgraded Hikvision & Dahua test tool		√	√	√	√	√	√	√	√	√
Screen Projection & Remote Control		√	√	√	√	√	√	√	√	√
RJ45 TDR cable test		√	√	√	√	√	√	√	√	×
UTP cable test		√	√	√	√	√	√	√	√	×
Android System		√	√	√	√	√	√	√	√	√
Self-install android software		√	√	√	√	√	√	√	√	√
Built in Wifi, create Wifi hotspot		√	√	√	√	√	√	√	√	√
Video Computings Tools		√	√	√	√	√	√	√	√	√
Network test tool		√	√	√	√	√	√	√	√	√
PTZ control, 4 x zoom image		√	√	√	√	√	√	√	√	√
Video Snapshot, record and playback		√	√	√	√	√	√	√	√	√
HDMI signal output		√	√	√	√	√	×	×	×	×
Color bar generator		√	√	√	√	√	√	√	×	×
DC 12V/PoE/PSE voltage test		√	√	√	√	√	√	√	×	×
Audio test		√	√	√	√	√	√	√	√	√
LED light		√	√	√	√	√	√	√	√	×
DC 48V PoE power output		√	√	√	√	√	√	√	√	×
USB 5V power output		√	√	√	√	√	×	×	×	×
DC 12V power output		DC12V/3A	DC12V/3A	DC12V/2A	DC12V/3A	DC12V/3A	DC12V/3A	DC12V/3A	DC12V/3A	DC12V/1A
Power adaptor		DC12V(2A)	DC12V(2A)	DC12V(2A)	DC12V(2A)	DC12V(2A)	DC12V(2A)	DC12V(1A)	DC12V(1A)	DC5V(2A)
Lithium Polymer battery		7.4V/7000mAh	7.6V/7500mAh	7.4V/7000mAh	7.6V/7500mAh	7.4V/4600mAh	7.4V/4000mAh	7.4V/2400mAh	7.4V/2400mAh	3.7V/3000mAh
Operating Time		13 hours	16 hours	16 hours	16 hours	10 hours	10 hours	8 hours	8 hours	8 hours
Optional functions(√)										
*HDMI signal input		standard function	standard function	standard function	√	√	√	×	×	×
*Cable tracer		standard function	standard function	standard function	√	√	√	√	×	×
*Analog Video level meter		standard function	standard function	standard function	√	√	√	√	×	×
*Coaxial video level meter		standard function	√	√	√	√	√	×	×	×
*BNC attenuation test		standard function	√	√	√	√	√	×	×	×
*Digital multimeter		√	√	√	√	√	√	√	×	×
*Optical power meter		√	√	√	√	√	√	√	×	×
*Visual fault locator		√	√	√	√	√	√	√	×	×
*TDR cable test		√	√	√	√	√	√	√	×	×
*CVI(8MP) video signal test		√	√	√	√	√	√	√	√	√
*TVI(8MP) video signal test		√	√	√	√	√	√	√	√	√
*AHD(8MP) video signal test		√	√	√	√	√	√	√	√	√
*EX-SDI(8MP),HD-SDI,3G-SDI video test		√	√	√	√	√	√	×	×	×

Note:above functions with mark<*> are customizable functions
The data above is only for reference and any change of them will not be informed in advance

IPC-1900 Plus series

4 inch

IP/CVBS/AHD/CVI/TVI

- ◆ 4 inch IPS touch screen, 800*480 resolution
- ◆ H.265/H.264 4K video display via mainstream
- ◆ Support CVBS camera test, PAL/NTSC auto adapt
- ◆ AutoHD, auto-recognize of CVI/TVI/AHD/CVBS input signals
- ◆ 8MP TVI / CVI / AHD camera test, support UTC and call OSD menu
- ◆ Activate Hikvision camera in batch, modify the IP address and encoding format, automatically turns on the ONVIF, modify the channel name
- ◆ Activate Dahua camera in batch, modify the IP address. Reserve to reset the phone number, modify the channel name, etc
- ◆ Standard 48V POE power output
- ◆ High Brightness LED Light
- ◆ DC 12V 3A power output
- ◆ UTP cable tester
- ◆ Audio input

IPC-5000 Plus series

5 inch

IP/TVI/CVI/AHD/EX-SDI/HD-SDI/CVBS

- ◆ 5 inch IPS touch screen, 1920*1080 resolution
- ◆ 4K 30fps HDMI input & VGA input
- ◆ DC 5V 1A USB power output, support reading USB disk
- ◆ EX-SDI 2.0 and 3G-SDI camera image display, support UTC control and call OSD menu. (Optional)
- ◆ 8MP TVI/CVI/AHD camera test, support UTC control and call OSD menu.
- ◆ AutoHD, auto-recognize of CVI/TVI/AHD/CVBS input signals
- ◆ Batch activate Dahua camera and modify IP address, encoding format and channel name, ONVIF auto on, etc
- ◆ Batch activate Hikvision camera and modify IP address, reserve and reset cell phone number, modify the channel name, etc
- ◆ H.265/H.264 4K video display via mainstream
- ◆ CVBS camera test, PAL/NTSC auto adapt
- ◆ DC 48V PoE power output
- ◆ DC 12V 3A power output
- ◆ High brightness LED light
- ◆ UTP cable test
- ◆ Audio input

HD-2900 series

4 inch



AHD CVI TVI Analog camera test

- ◆ 4 inch TFT-LCD screen, 800*480 resolution
- ◆ 8MP TVI/8MP CVI/8MP AHD, UTC and call OSD menu
- ◆ AutoHD, auto-recognize of CVI/TVI/AHD/CVBS input signals
- ◆ Analog camera test, PAL /NTSC format auto adapt
- ◆ Video record, copy file via FPT app
- ◆ Digital cable tracer (optional)
- ◆ High brightness LED light
- ◆ Ping connectivity test
- ◆ 12V 1A power output
- ◆ UTP cable test
- ◆ Audio input

HD-3000 series

5 inch



HDMI 4K 30fps input, VGA input

- ◆ 5 inch TFT-LCD screen, 800*480 resolution
- ◆ EX-SDI 2.0, HD-SDI and 3G-SDI (optional)
- ◆ 5V 1A power output, support reading USB disk
- ◆ 8MP TVI/8MP CVI/8MP AHD, UTC and call OSD menu
- ◆ Power management function, view 12V supply voltage and power in real time
- ◆ AutoHD, auto-recognize of CVI/TVI/AHD/CVBS input signals
- ◆ Analog camera test, PAL /NTSC format auto adapt
- ◆ Digital cable tracer (optional)
- ◆ High brightness LED light
- ◆ 12V 1A power output
- ◆ UTP cable test
- ◆ Audio input

Mobile CCTV tester



4K H.265 IP camera test/Power bank

- ◆ H.265, 4K mainstream test
- ◆ Can search and preview multi-segments camera
- ◆ The mobile phone could quickly connect and preview the network cameras, support up to 8 mobile phones at the same time
- ◆ Drawing function, draw security monitoring, integrated wiring topology
- ◆ Power measurement function, detect POE/12V supply voltage power
- ◆ Can modify the camera IP address and channel name, etc
- ◆ WIFI signal strength, channel occupancy detection
- ◆ Can activate Hikvision and Dahua cameras
- ◆ Virtual IPC app, can send the IP signal
- ◆ POE 48V power supply, up to 25.5W
- ◆ USB fast charging, up to 18W
- ◆ Video storage calculator
- ◆ DC 12V 3A power supply
- ◆ Mobile wireless router
- ◆ RJ45 cable TDR test
- ◆ Lens simulation
- ◆ UTP cable test

Picture				
Features	HD-2900	HD-3000	IPC-1900 Plus	IPC-5000 Plus
Standard functions				
Screen	TFT-LCD screen	TFT-LCD screen	IPS touch screen	IPS touch screen
Screen resolution	800*480	800*480	800*480	1920*1080
Screen size	4 inch	5 inch	4 inch	5 inch
4K H.265 IP camera test	×	×	√	√
Analog camera test	√	√	√	√
PING test	√	×	√	√
PTZ control, UTC and OSD menu	√	√	√	√
Video snapshot, record, playback	√	×	√	√
Audio input	√	√	√	√
Hikvision test tool	×	×	√	√
Dahua test tool	×	×	√	√
Color bar generator	√	×	×	×
UTP cable test	√	√	√	√
RJ45 cable TDR test	×	×	√	√
LED light	√	√	√	√
48V PoE power output	×	×	√	√
USB 5V power output	×	√	×	√
DC 12V power output	DC 12V/1A	DC 12V/1A	DC 12V/3A	DC 12V/3A
Power adapter	DC 5V(2A)	DC 5V(2A)	DC 12V(2A)	DC 12V(2A)
Lithium Polymer battery	3.7V/5000mAh	3.7V/5000mAh	7.4V/2500mAh	7.4V/2500mAh
Optional functions(√)				
*4K 30fps HDMI input	×	standard function	×	√
*VGA input	×	standard function	×	√
*8MP CVI video signal test	standard function	standard function	standard function	standard function
*8MP TVI video signal test	standard function	standard function	standard function	standard function
*8MP AHD video signal test	standard function	standard function	standard function	standard function
* EX-SDI (8MP), HD-SDI, 3G-SDI video test	×	√	×	√
*Cable tracer	√	√	√	√
Note:above functions with mark<*> are customizable functions The data above is only for reference and any change of them will not be informed in advance				

CT66



Cable tracer, Locate cables quickly and easily

- ♦ Check telephone line status: standby/online /offline via LED indicator
- ♦ Secondary code digital model, decisively rejects noise and false signals. Locate cables quickly and easily
- ♦ New multiplex technology, cable tracer and cable test can test at the same time, can improve working efficiency
- ♦ 60V withstand voltage and anti-burn interface, the wire can be traced directly in connection with Ethernet switch
- ♦ Quickly detect the near-end, mid-end and far-end fault point of the network cable crystal head
- ♦ Network cable 100M/1000M, straight/cross/other line
- ♦ Shielded cable and shielding layer continuity detection
- ♦ Two LED lights, can operate in the dark
- ♦ PD powered detection
- ♦ Support silent mode

CT68



Digital encoding, Anti-interference/ Isolated electroscop

- ♦ Low battery alarm
- ♦ AC 12-1000V electroscop, red light and buzzer alarm two indicators
- ♦ Isolated electroscop, when searching the cable, the red indicator flash if nearing the high voltage device
- ♦ 60V withstand voltage and anti-burn interface, the wire can be traced directly in connection with Ethernet switch
- ♦ New multiplex technology, cable tracer and cable test can test at the same time, can improve working efficiency
- ♦ Quickly detect the near-end, mid-end and far-end fault point of the network cable crystal head
- ♦ Secondary code digital model, decisively rejects noise and false signals
- ♦ Network cable 100M/1000M, straight/cross/other line
- ♦ Shielded cable and shielding layer continuity detection
- ♦ Locate cables quickly and easily
- ♦ PD powered detection
- ♦ Support silent mode
- ♦ UV LED and LED light

HDC / ADH

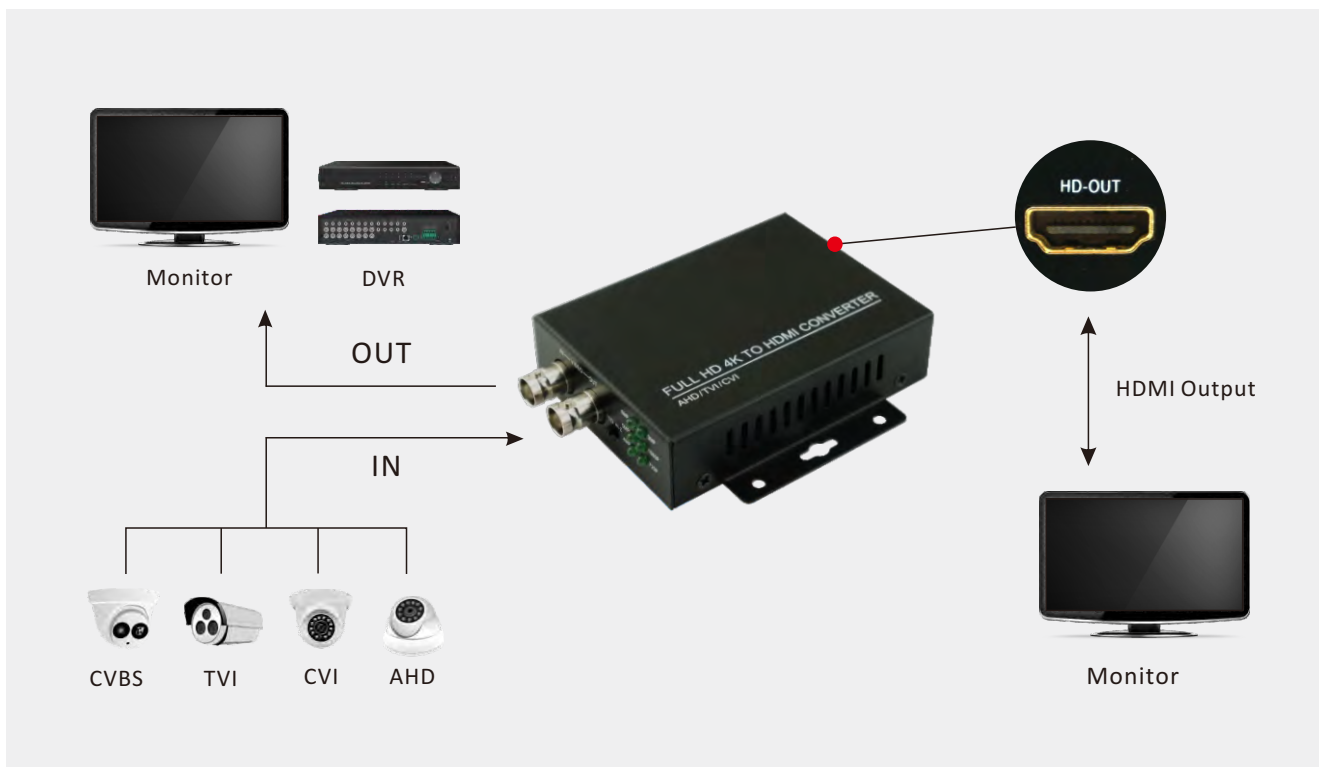


Converter 4K CVI/TVI/AHD/Analog signal to HDMI

HD Coaxial camera/Resolution	CVI	TVI	AHD
720P	1280X720P 25/30/50/60FPS	1280X720P 25/30/50/60FPS	1280X720P 25/30FPS
1080P	1920X1080P 25/30FPS	1920X1080P 25/30FPS	1920X1080P 25/30FPS
3MP	---	2048X1536P 18/25/30FPS	2048X1536P 18/25/30FPS
4MP	2560X1440P 25/30FPS	2688X1520P 15FPS 2560X1440P 15/25/30FPS	2560X1440P 15/25/30FPS
5MP	---	2592X1944P 12.5/20FPS	2592X1944P 12.5/20FPS
4K(8MP)	3840X2160P 12.5/15FPS	3840X2160P 15FPS	3840X2160P 15FPS

Application

HDC/ADH Converter is designed for HDMI video transmission and HD loop out, support 4K CVI/TVI/AHD video Input, 4K Image loop output, 1080P HDMI output. Auto match HD input, indicator visual display input resolution, it is a great advantage video transmission tool.



VT-4800



AHD/TVI/CVI supported resolution and frame rate table

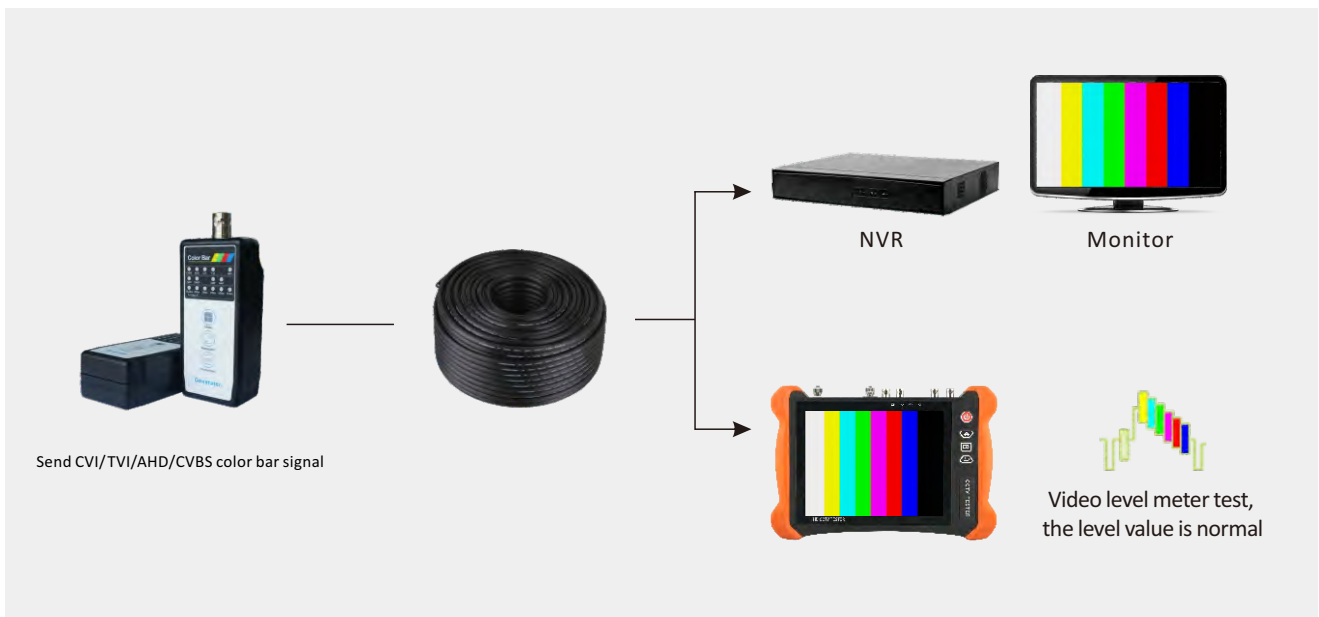
Video signal Resolution	CVI	TVI	AHD
720P	1280X720P 25/30FPS	1280X720P 25/30FPS	1280X720P 25/30FPS
1080P	1920X1080P 25/30FPS	1920X1080P 25/30FPS	1920X1080P 25/30FPS
4MP	2560X1440P 25/30FPS	2688X1520P 15FPS 2560X1440P 25/30FPS	2560X1440P 15/25/30FPS
5MP	---	2592X1944P 12.5/20FPS	2592X1944P 12.5/20FPS

In CVBS mode, 50fps is PAL, 60fps is NTSC.

Application

Output TVI/ CVI/ AHD /Analog color bar image

- ▶ **Inspect Monitor**
Outputs color bar image to the monitor, to check if the monitor is working well.
- ▶ **Inspect Cable**
Outputs the color bar image to CCTV tester or monitor to determine if the transmission cable is in a good condition or not.
- ▶ **Inspect the Quality of Coaxial Cable**
Inspect the quality of coaxial cable to see if transmission line is applicable to HD signal.



MT-2300 Plus

- 3.5 inch color TFT-LCD touch screen, handheld design and easy operation
- 1310/1550nm dual wavelength test, dynamic range: 30/28dB, test up to 120KM
- Built-in SD card, the memory capacity over 800 traces
- PC Analysis software, can create testing report
- FTTx online testing, able to identify the splitter and the fiber's end
- 4200mAh lithium battery, the normal working time is 10 hours



Dynamic (1)	30/28dB
Wavelength (±20 nm)	1310/1550
Display	3.5 inch TFT LCD touch screen
Light source type	LD
Optical interface	FC/UPC
Distance range (km)	0.3, 1, 3, 5, 10, 30, 60, 120
Pulse width (ns)	5, 10, 20, 40, 80, 160, 320, 640, 1280, 2560, 5120, 10240, 20480, Auto adjust
Measurement duration	15s, 30s, 1min, 2min, 3min
Attenuation dead zone (2)	10m
Event dead zone	1.8m
Distance measurement precision	±(1 m + 5 x 10 ⁻⁵ x Distance + Sampling interval)
Data storage	>60000 test traces
Communication interface	USB
Optical Communications Test	YES

MT-7300 Plus

- 5.6 inch color TFT-LCD touch screen
- 1310/1550nm dual wavelength test, dynamic range: 32/30dB, test up to 180KM
- Can test fiber length, transmission attenuation, interface attenuation and fiber fault location
- USB interfaces, supporting USB stick and printer and direct cable download to PC via ActiveSync
- PC Analysis software, can create testing report
- 8400mAh lithium battery, the normal working time is 8 hours



Wavelength (nm)	1310/1550
Dynamic range (dB)	32/30
Pulse width (ns)	5, 20, 40, 80, 160, 320, 640, 1280, 2560, 5120, 10240, 20480
Event dead zone (m)	2m
Attenuation dead zone (m)	9m
Linearity (dB/dB)	±0.05 dB/ dB
Loss threshold (dB)	0.05
Loss resolution ratio (dB)	0.01
Sampling resolution ratio (m)	0.125 to 8
Sampling point	32K
Distance uncertainty (m)	±(1 m + 5 x 10 ⁻⁵ x Distance + Sampling interval)
Distance scope (km)	0.3 to 180
Typical real-time refreshing duration (s)	0.2
Memory capacity of trace	SD Card (2G), > 10000 pieces
Duration of measurement	Defined by user. 5sec, 10sec, 15sec, 30sec, 1min, 2min, and 3min are optional



Focus on CCTV tester

Just keep on moving

Guangzhou Wanglu Technology Co., Ltd

Tel : (86 20)87566118

Fax: (86 20)38075108

Web: www.cctvtester.com www.wanglu.com.cn

Add: 2nd floor, Block C, DET building, No.2 Ruitai Road, Kaitai Street,
Huangpu District, Guangzhou, China.

