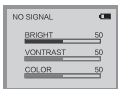


#### 4. Operation

■ Pressing Turn on /off the tester.

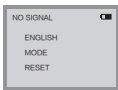
■ When turn it on, press the key to enter the function menu, press key to quickly switches to the desired function menu.

■ When turn it on, press the key to enter the function menu, select different function, and press the key to change the parameter value, press to save setting and exit menu.



First page menu

Press to the menu, press to chose the item, press to change the value, LCD brightness, contrast, color saturation can be adjusted, press to save and exit.



Second page menu

Press to the menu, press to change to the next page, press to chose the item, press to set the language, video format(AHD、TVI、CVI) and reset.



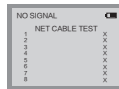
Third page menu

Press to the menu, press to change to the thrid page, press to chose the item, PTZ protocol, baud, address can be set, press to save and exit.

Press to control the PTZ direction of rotation.

Press to adjust the focus manually.

Press to adjust the zoom manually.



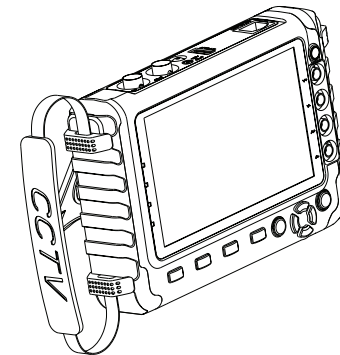
Forth page menu

At first connect LAN cable with the HD coaxial tester and cable tester, Press to the menu, press the key change to the fourth page.

Model	HD coaxial tester
<b>Video Test</b>	
Signal mode	CVBS, HD-AHD, HD-TVI, HD-CVI, support Control-over-Coax
Display	5.0 inch VGA TFT-LCD, 800 ( RGB ) x 480 resolution
LCD adjustment	Brightness, Contrast, Saturation adjustable
Video IN/OUT	1 channel BNC Input & 1 channel BNC Output
<b>VGA/HDMI Test ( Optional ) *</b>	
VGA/HDMI Input	Support VGA/HDMI 1.0 video input, once connect VGA/HDMI video, please switch selector to select HDMI or VGA mode. The maximum resolution is 1920X1440
<b>PTZ Controller</b>	
Communication	RS485
PTZ Protocol	Compatible with protocols PELCO-D/P
Baud Rate	1200, 2400, 4800, 9600, 14400bps
<b>Video Signal Generation</b>	
Color bar generator	Support standard color bar output (Red, Green, Blue, White, Black, Grey) and testing image output

<b>UTP Cable Tester</b>	
UTP cable test	Display UTP cable connection status , cable type and the sequence of wires as well as read the number of the test box.
<b>DC12V 1A Power Output</b>	
DC12V power output	Output DC12V1A power for camera
<b>Audio Input Test</b>	
Audio input test	1 channel audio signal input
<b>Power</b>	
Power Adapter	DC 5V ( 1.0A )
Battery	Two Built-in 18650 2600mA
Rechargeable	After charging 4-5 hour, working time lasts 10 hours
<b>Parameter</b>	
Operation setting	OSD menu, select your desired language: English, Chinese, etc.
<b>General</b>	
Dimension/Weight	170mm x 114mm x 34mm / 400g

# User Manual



HD Coaxial Camera Tester

## 1. General

The new HD coaxial camera tester is developed for the on-site installation and maintenance of HD coaxial camera, having TVI, AHD and CVI. It also provides many useful functions, such as video display, Control-over-Coax, PTZ control, DC12V output power, audio test, color-bar generator (TV OUT), VGA video signal input, HDMI signal input, UTP cable testing, LED lamp etc.

### Product Functions

- HD coaxial camera testing
- Control over Coax
- PTZ controller

The Tester built-in Pelco-D / P PTZ control protocol, etc., through its own RS485 interface.

- Color-bar generator(TV OUT)
- DC12V 1A output power

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

- Audio testing

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

- Enhanced UTP cable testing

By UTP CABLE TEST port on the meter, you can test the connection of network cable.

- VGA/HDMI input (Optional) \*

Support VGA/HDMI 1.1 Compliant Digital input, once

connecting VGA/HDMI video, please switch selector to select HDMI or VGA mode. The maximum resolution is 1920X1440

- TVI camera test (Optional) \*

HD TVI camera testing, support 1MP, 2MP, 3MP, 4MP, 5MP.

- AHD camera test(Optional) \*

AHD camera testing, support 1MP, 2MP, 3MP, 4MP, 5MP.

- CVI camera test (Optional) \*

HD CVI camera testing, support 1MP, 2MP, 3MP, 4MP.

- LED lamp

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

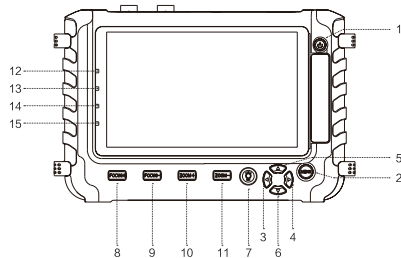
- The battery graphic display

The tester has advanced power control and protection circuit, low-power energy saving, 4 to 5 hours on a single charge. Normally it can be used for 10 hours.

### 2. Product Accessories

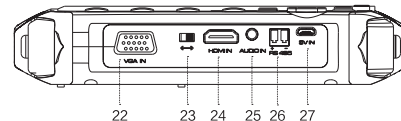
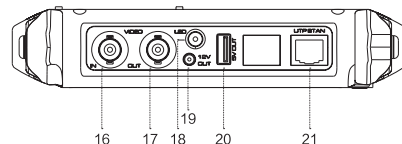
- HD coaxial camera tester
- Adapter DC5V 1A ( with micro USB cable )
- International Standard 18650 2600ma battery X 2
- BNC cable
- RS485 connector
- Power output conversion cable
- Audio cable
- Lanyard
- Tool bag
- Instruction Manual

## 3. Front Panel



1		Press more than 3 seconds, turn on or off the device
2		Menu key
3		Leftward. Move menu item / Tilt the PTZ leftward.
4		Rightward. Move menu item / Tilt the PTZ rightward.
5		Upward. Move menu item / Tilt the PTZ upward.
6		Downward. Move menu item / Tilt the PTZ downward.

7		LED lamp switch
8		Far focus: Focus the image faraway / change the setting parameters
9		Near focus: Focus the image nearby / change the setting parameters
10		Zoom In / change the setting parameters
11		Zoom Out / change the setting parameters
12		The power indicator
13		12V output indicator
14		The data-transmission indicator
15		5V charging indicator



16		Video signal input (BNC interface)
17		Video signal output (BNC interface)
18		LED lamp
19		Output DC12V 1A power, for provisional DC test supply
20		Output DC5V 1A power, for provisional DC test supply
21		UTP cable interface test
22		VGA input interface (Optional) *
23		VGA/HDMI switch (Optional) *
24		HDMI input interface (Optional) *
25		Audio input test
26		RS485 Interface, RS485 communication for the PTZ
27		Micro USB charge interface