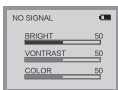## 4、Operation

■ Pressing ◉ Turn on /off the tester.
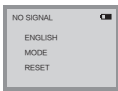
■ When turn it on, press the key ⊖ to enter the function menu, press ⬭ ⬭ ◌ ◌ key to quickly switches to the desired function menu.

■ 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.

```
NO SIGNAL              ▭
   BRIGHT          50
   VONTRAST        50
   COLOR           50
```

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.

```
NO SIGNAL              ▭
   ENGLISH
   MODE
   RESET
```

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.

```
NO SIGNAL              ▭
   PROTOCOL     PELCO-D
   ADDR            1
   BAUD          2400
```
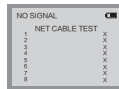
Third page menu

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.

```
NO SIGNAL              ▭
   1        NET CABLE TEST    X
   2                          X
   3                          X
   4                          X
   5                          X
   6                          X
   7                          X
   8                          X
```
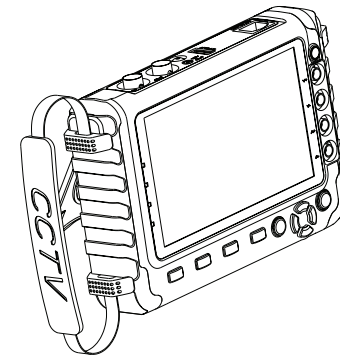
Forth page menu

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
Video Test	
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
VGA/HDMI Test（Optional）*	
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
PTZ Controller	
Communication	RS485
PTZ Protocol	Compatible with protocols PELCO-D/P
Baud Rate	1200, 2400, 4800, 9600, 14400bps
Video Signal Generation	
Color bar generator	Support standard color bar output (Red, Green, Blue, White, Black, Grey) and testing image output

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

User Manual

CE FC

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.
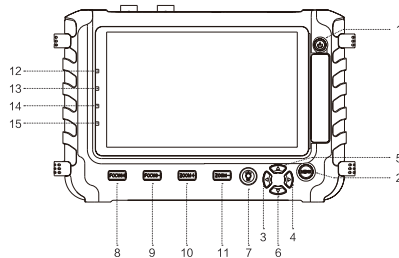
● The battery graphic display

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.
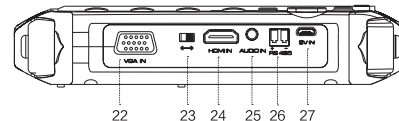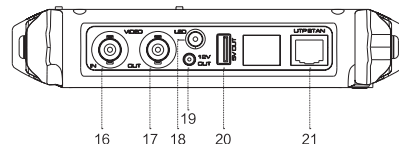
2、Product Accessories

● 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	FOCUS+	Far focus: Focus the image faraway / change the setting parameters
9	FOCUS-	Near focus: Focus the image nearby / change the setting parameters
10	ZOOM+	Zoom In / change the setting parameters
11	ZOOM-	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