



# User Manual

## 5" CCTV TEST MONITOR

## 1 General

The TM-54in1-2 CCTV Test monitor support "4 in 1" (AHD, TVI, CVI, CVBS) video formats of up to 2MP resolution. It also support PTZ control by RS485 and other special features such as DC12V/USB5V output, audio test, UTP/Coax cable test, VGA Input, LED lighting etc. It is designed to bring installer maximum conveniecy during the installation.

### Product Funtions:

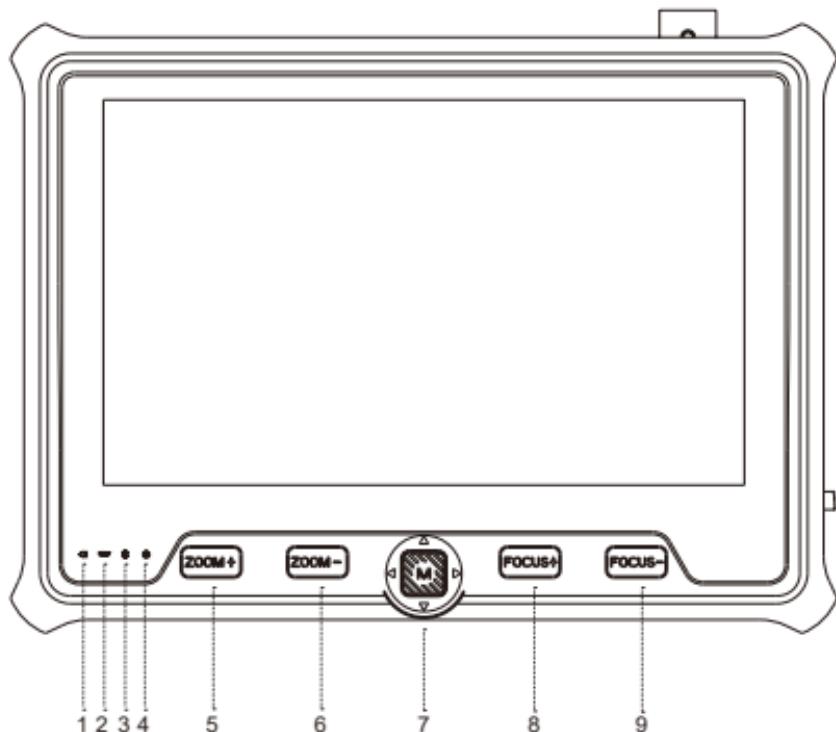
- Video input: Compatible with AHD, TVI, CVI and CVBS signals of up to 2MP resolution.
- 5.0 inch 800x480 resolution (RGB). PAL/NTSC (Auto adapt).
- PTZ control: RS485 control, Baud-Rate: 1200 ~ 115200bps. Compatible with PELCO-D / P protocols
- Camera Power Supply: Power output of DV12V/1A for temporarily powering on cameras for angle and zoom adjustment.
- USB Power Supply: USB2.0 interface provides 5V / 1A power output
- Audio signal input
- Enhanced UTP cable / BNC cable test with indicator lights. The cable test distance can reach 100-150 meters

- VGA input: VGA support 1024 \* 768 and 1280 \* 1024 resolutions. VGA input requires setting “VGA Mode” in the monitor menu.
- LED Lighting
- Built-in 3.7V Lithium polymer battery, 3000mAh

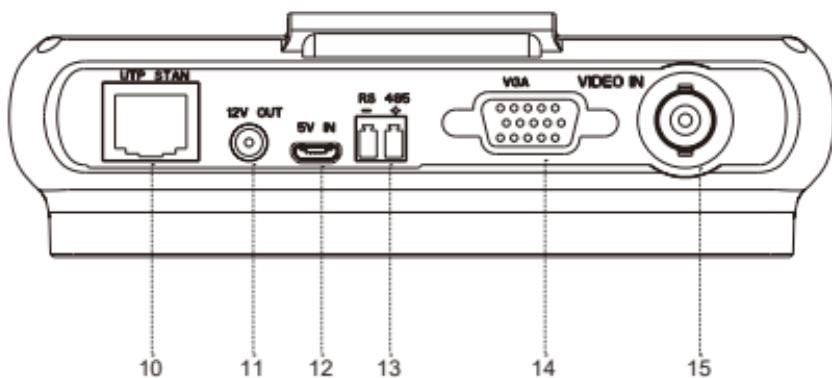
## ② Product Accessories

- Test monitor
- Wrist band
- DC output cable
- Network cable test unit
- Coax cable test convertor
- Audio test cable
- USB cable
- EU/US Power adapter
- User manual

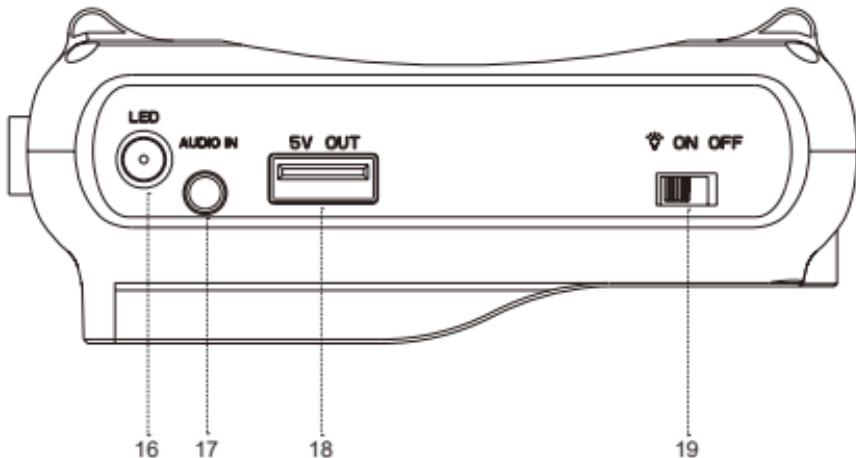
### ③ Front Panel



1		Power Indicator
2		12V output power indicator
3		Data transmission indicator
4		Power on indicator



5		Zoom+ (For PTZ Control)
6		Zoom- (For PTZ Control)
7		Five-way button: OSD menu- up – down- left -right
8		Focus+ (For PTZ Control)
9		Focus- (For PTZ Control)
10		UTP Cable test input
11		DC12V/1A power output
12		5V power input



13		RS485 Output
14		VGA Input
15		AHD / CVI / TVI / CVBS signal input
16		LED Light
17		Audio input
18		DC5V/1A power output
19		Power switch: Led / On / Off

## 4 Operation

Pressing on  calls the OSD menu.



General Settings



Cable Test



PTZ Settings

1. Pressing on  enters the following settings page.



Brightness



Contrast



Saturation



Language



Reset

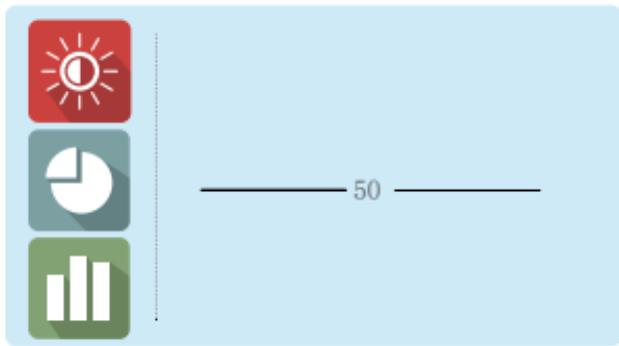


VGA Input

Set the brightness, contrast, saturation, language and VGA input. From here you can also reset the unit to factory default. Pressing on  saves the changes and exits to the previous menu.

If no operation is made, the menu will exit automatically within 3 seconds.

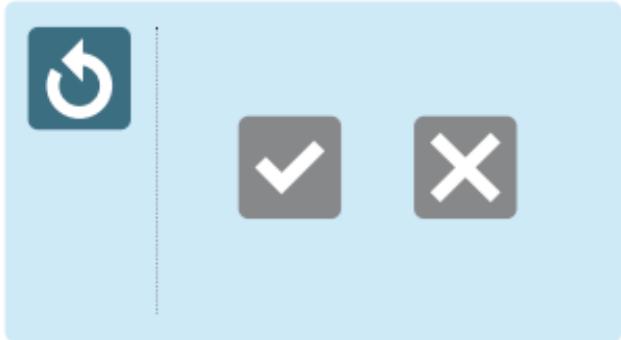
1) Brightness / contrast / saturation Settings: Choose the setting you wish to change and click on  use the Left/Right arrows to change the value and click on  again to save and exit.



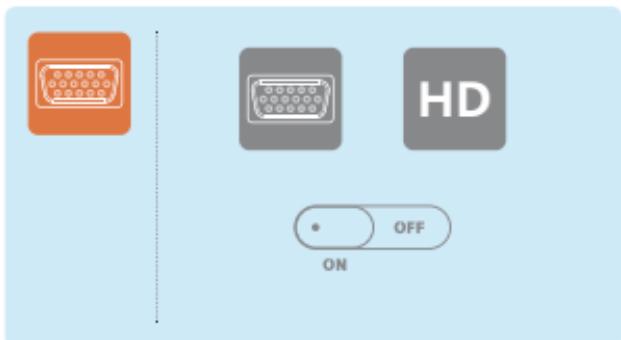
2) Language Settings: Choose the language settings by clicking on  use the Left/Right arrows to change the language and click on  again to save and exit.



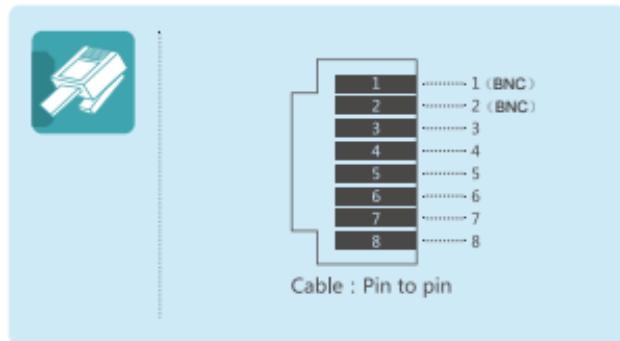
3) Reset to factory default: Choose reset and click on . Confirm resetting or cancel by using the arrows and clicking on the  button to confirm/cancel and exit.



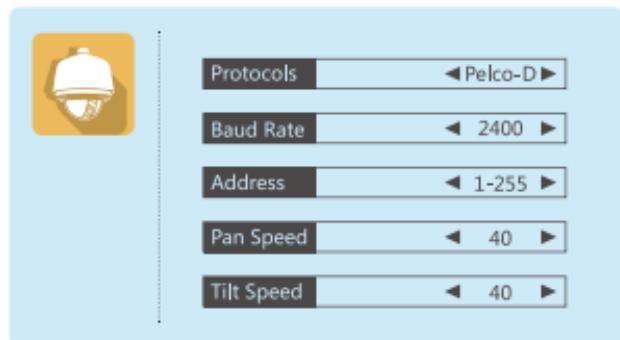
4) VGA Input selection: Use this to toggle between the BNC input and the VGA input. Set the VGA Input to “On” to use VGA input or “Off” to use BNC input. Click on  to save and exit.



5) Pressing on  enters the UTP / BNC cable test interface. The test procedure will start automatically. Pins 1+2 indicates the BNC cable consistency (Adapter must be used). Pins 1-8 indicates the UTP Cable consistency. Click on  to exit.



6) Pressing or  enters the PTZ settings page. Set the parameters using the  up/down/left/right arrows.



## ⑤ Specification

	TM-54in1-2	TM-54in1-5 * (Coming soon)
Display	5.0 inch VGA TFT-LCD, 800x 480 resolution	
Signal mode	NTSC/PAL (Auto adapt)	
Video IN	1 Channel BNC (AHD / CVI / TVI / CVBS) input 1 Channel VGA Input (1024x768,1280x1024)	
<b>VIDEO TEST</b>		
CVBS Test	Yes	
AHD / CVI / TVI Test	up to 1080P	3~5MP
<b>OTHER TEST</b>		
Audio Input Test	Yes (Built-in Speaker)	
PTZ Controller	Support RS485, Compatible with protocols PELCO-D/P, Baud Rates 1200-14400bps	
Cable Tester	Enhanced UTP / BNC cable test with indicator light, the test distance can reach 100-150 meters	
<b>POWER</b>		
DC12V output	DC12V / 1A Power Output	
DC5V output	DC5V / 1A Power Output	
Power Input	DC5V / 1A Input	
Battery	Built-in 3.7V / 3000mA battery	
Battery Life	6 hours work after full charge (Without supplying power to external devices)	
<b>LANGUAGE</b>		
Language	12 Languages available	
<b>GENERAL</b>		
Working Temp.	~10°C-50°C	
Working Humidity	~30%-90%	
Dimension/Weight	38mm x 103mm x 41mm / 0.5kg	



[www.provision-isr.com](http://www.provision-isr.com)

---