HD Coaxial Tester
MC350-4

3.5"HVGA TFT-LCD screen display/480 (RGB)*320 resolution /HD coaxial test (8MPCVI/8MPTVI/8MPAHD) /PTZ control/ Color bar generator/TDR cable tester /12V 1A power output

The new HD coaxial tester is developed for the On-Site installation and maintenance of coaxial camera，it also combine other functions analog camera test, analog signal output, UTP test Its portability, user-friendly design and many other functions make the tester an essential tool for all installers or technicians.

Application

- CCTV system installation and maintenance
- Network cabling project installation and maintenance
- Dome camera and all in one camera testing
- Video transmission channel testing
- PTZ control

Features

1)3.5inch screen display, 480（RGB）x320 resolution

2) Low power consumption, working time lasts 11 hours

3) LCD screen brightness/contrast/color saturation adjustable NTSC/PAL auto adjust

4) 8MPCVI /8MPTVI 8MP AHD coaxial camera image display, coaxial PTZ control and call up the camera OSD menu

5) Enhanced Color bar generator, PAL/NTSC multi-system color bar video generator (Eight-system switchable, transmit/receive eight-system colorful images).

6) LED Flashlight.

7) HD coaxial control, PTZ control, color bar generator shortcut key.

8) F1, F2 user-defined key

10) Digital Multi-meter, DC and AC voltage measurement, Resistance measurement Continuity test, Diode measurements, Capacitance measurement * **(Optional)**

18) PTZ control and PTZ protocol analysis

19) Cable test, Test LAN cable or telephone cable, UTP cable etc, cable type and the sequence of wires will be displayed

20) Support more than 30 protocols, such as Pelco-D, Pelco-P, SAMSUNG.

21) Support RS485,rate 600 ～ 115200bps adjustable

22) Built in Lithium Ion Polymer Battery（3.7V DC 3500mAh ）

23) Image display and data control integration

24) Handheld HD coaxial tester, easy to carry and operation.

Function

1. Video signal test

The new HD coaxial tester, built-in high definition 3.5"LCD-TFT 480（RGB）x320 resolution, view the image, easy and directly displays the camera image , support PAL/NTSCLCD screen brightness/Contrast/Color Saturation adjustable. Suitable for field construction and maintenance work

2. HD coaxial signal test

TVI 8MP, CVI 8MP, AHD8MP coaxial signal test, support 1080P, and the tester will display camera image, coaxial PTZ control and call up the camera OSD menu.

3. Video signal level test (For analog)

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.

4. PTZ controller

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

5. Enhanced color bar generator

The tester sends out color bars via its BNC output to the monitor. This is used to test for a problem in the cable going from the camera back to the monitoring area

6. DC12V 1A output power

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

7. Audio testing

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

8. Cable tester

Test LAN cable or telephone cable.
Connect LAN cable or telephone cable with the HD coaxial tester and cable tester. And 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.

9. PTZ controller

Search the Control protocol code from Multifunction keyboard or DVR by RS485 interface, test the PTZ control command data whether received anomaly and RS485 data transmission.

Screen displays 16 hexadecimal codes such as

PELCO-P：A0 00（Add） xx xxxxxx AF xx

PELCO-D：FF 01（Add）xx xxxxxxxx

10. PTZ address scanning

Search up the ID of PTZ camera. Help the engineer search the speed dome address quickly.

14. LED lamp

Press the LED On/Off button to use the LED flashlight.

20. HD coaxial, PTZ control and color bar generator shortcut key

HD coaxial, PTZ control and color bar generator shortcut key, easy to operate

21. F1, F2 User-defined shortcut keys

The user-defined shortcut key is designed for improving the efficiency for the engineer, anytime press, easy to operate.

Specifications

Model	HD coaxial tester HD-2800ADH 【*】models are Optional	
Video Test		
Signal mode	NTSC/PAL (Auto adapt)	
Display	3.5 inch digital TFT-LCD ,480（RGB）x 320 resolution	
LCD adjustment	Brightness, Contrast, Saturation adjustable	
Video IN/OUT	1 channel BNC Input & 1 channel Output	
Video Output Mode	1.0 Vp-p	
Video Level test		
Level test	Video signals measured in IRE or mV (for analog)	
PTZ controller		
Communication	Support 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	
Video signal generation		
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)	
UTP cable tester		
UTP cable test	Test UTP cable connection status and display in the screen. 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	test the pickup and other audio equipments on the front-end
RS485 data analysis	
Data Monitor	Captures and analyzes the command data from controlling device
CVI test（Optional）*	
CVI video signal test	8MP CVI test,camera OSD menu control over coaxial cable
TVI test（Optional）*	
TVI video signal test	8MP TVI test ,camera OSD menu control over coaxial cable
AHD test（Optional）*	
AHD video signal test	8 MP AHD test ,camera OSD menu control over coaxial cable
Digital Multimeter (Optional) *	
AC/DC Voltage	0-660V auto/manual range, the min resolution is 0.1mV
AC/DC current	660.0uA , 6.600mA, 66.00mA , 660.0mA, 10.00A
Resistance	660.0Ω, 6.600kΩ, 66.00kΩ, 660.0kΩ, 6.600MΩ, 66.00MΩ
Capacitance	6.6nf～66000uF， the min resolution is 1pf
Diode	0～2V forward voltage, the min resolution is 1mV
Data hold	Hold and display the measured value
Relative measurement	Display the relative power value
Continuity testing	Built-in buzzer will sound, if resistance is lower than 50 Ω
Testing speed	3 times/ seconds
Data range	-6600～+6600
POWER	
Power Adapter	DC 5V（1.5A）
Battery	Built-in 3.7V Lithium polymer battery ,3500mAh
Rechargeable	After charging 3-4 hour, working time lasts 11 hours
Low Consumption	Energy saving technology, the battery icon real-time display
Parameter	
Operation setting	English/Chinese and other languages OSD menu
Auto off	5-60 (mins)
Keytone	On/Off
General	
Working Temperature	-10℃ ～+50℃
Working Humidity	30%～ 90%
Dimension/Weight	194mm x 112mm x 48mm / 540g

Note: Digital multimeter is optional function, if add it, need pay extra cost
 (HD-2800MADH: HD-2800ADH+ Digital multimeter)