



5 inch 4 IN 1 HD CCTV Tester

8MP TVI CVI AHD+4K IP

Model : ON-TM5000S (no SDI)

Model : ON-TM5100S (no SDI)

Model : ON-TM5200S-S (with SDI)



- 5-inch IPS touch screen, 1920x1080 resolutions
- 8MP CVI/ TVI/ AHD camera test
- 8MP EX-SDI, HD-SDI, 3G-SDI test* (**Optional**)
- H.265/H.264, 4K video display via mainstream
- VGA input, support 1920 x 1200P 60FPS* (**Optional**)
- HDMI Input, support 4K 30FPS* (**Optional**)
- DC12V 3A, 48V PoE power output
- Rapid ONVIF, Create the test report and modify IP address etc
- Auto HD, auto recognize HD coax camera type and resolution
- RJ45 TDR cable test, cable opens ,shorts and length test ,Max 180M
- UTP cable test, detect the near-end, mid-end and far-end fault point of the RJ45 cable plug

Model name details below:

ON-TM5000S : 8MP TVI CVI AHD/4K IP Analog PoE + **HDMI output (1080P)**

ON-TM5000SC : 8MP TVI CVI AHD/4K IP Analog PoE + **HDMI output (1080P)** + **digital cable tracer**

ON-TM5100S : 8MP TVI CVI AHD /4KIP Analog PoE + **4K 30 FPS HDMI IN +VGA input**

ON-TM5100SC : 8MP TVI CVI AHD /4KIP Analog PoE + **4K 30 FPS HDMI IN +VGA input** + **digital cable tracer**

ON-TM5200S-S : 8MP TVI CVI AHD /4K IP Analog PoE + **4K 30 FPS HDMI IN +VGA input** + **HD SDI/3G SDI/EX SDI 2.0**

ON-TM5200SC-S : 8MP TVI CVI AHD /4K IP Analog PoE + **4K 30 FPS HDMI IN +VGA input** + **HD SDI/3G SDI/EX SDI 2.0** + **digital cable tracer**

Comparison Table:

Note: digital cable tracer is optional function and not including, if added, need pay extra cost.

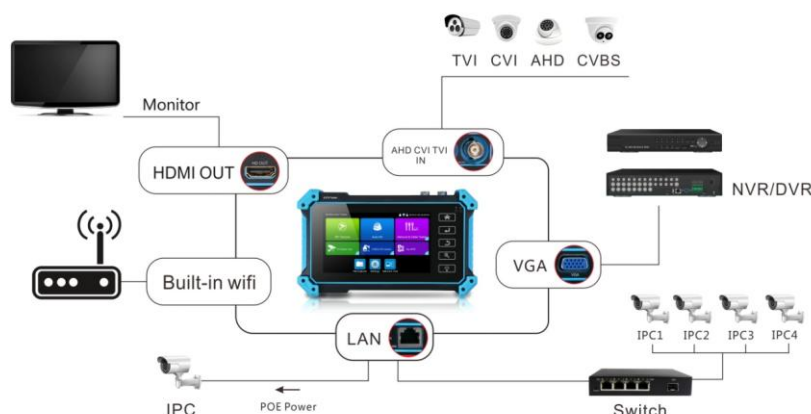


Features/ Model	ON-TM5000S	ON-TM5100S	ON-TM5200S-S
8MP AHD	√	√	√
8MP TVI	√	√	√
8MP CVI	√	√	√
4K IP /Analog	√	√	√
DC12V 3A /48V PoE output	√	√	√
HD-SDI/3G-SDI/EX-SDI 2.0*	X	X	√
HDMI output,1080P	√	X	X
HDMI INPUT 4K 30 FPS*	X	√	√
VGA IN*	X	√	√
Battery	2600mAh	3350mAh	3350mAh
Working hours	5 hours	6 hours	6 hours
Digital Cable tracer*	ON-TM5000SC only	ON-TM5100SC only	ON-TM5200SC-S only
Advanced UTP cable test, check fault of the RJ45 cable plug	√	√	√

Application

The 5 inch IPS touch screen IP camera tester is designed for maintenance and installation of IP analog, HD coaxial cameras as well as other security equipment. The 1920*1080 resolution enables it to display network HD cameras and analog cameras in high resolution. The unit supports many ONVIF PTZ and analog PTZ control, and cable test functions. CCTV installers often need to carry a variety of testing tools to complete their work. If take the all in one camera tester, making working conditions safer and increasing productivity.

- CCTV system installation and maintenance
- Network cabling project installation and maintenance
- Dome camera, IP TVI CVI AHD SDI 4K H.265 camera testing
- Video transmission channel testing
- PTZ controller



Features

Camera test:

- **5 inch IPS touch screen, 1920*1080 resolutions**
- **H.265 & H.264 IP, 4K video display via mainstream**
- **8MP TVI test, 3840 x 2160P 12.5/15 FPS, 4xzoom, video record & playback, coaxial PTZ control & call OSD menu**
- **8MP AHD test, 3840x2160P 15 FPS, 4xzoom, video record & playback, coaxial PTZ & call OSD menu**

- 8MP CVI test, 3840 x 2160P 12.5/15FPS, 4xzoom, video record& playback, coaxial PTZ & call OSD menu
- 8MP EX-SDI test, 3840 x 2160P 25/30FPS, 4xzoom, video record& playback, coaxial PTZ & call OSD menu* **(only for ON-TM5200S-S series)**
- HD-SDI test, 1920 x 1080P 25/30/50/60 FPS, 4xzoom, video record& playback, coaxial PTZ & call OSD menu* **(only for ON-TM5200S-S series)**
- 3G-SDI test, 1920 x 1080P 50/60 FPS, 4xzoom, video record& playback, coaxial PTZ & call OSD menu* **(only for ON-TM5200S-S series)**
- Auto HD app, auto recognize HD coax camera type and resolution, support snapshot, video record& playback, coaxial PTZ & call OSD menu.
- VGA input, up to 1920 x 1200P 60FPS, support snapshot, video record& playback.* **(Only for ON-TM5100S series and ON-TM5200S-S series)**
- HDMI Input, up to 4K 30FPS, support snapshot, video record& playback.* **(Only for ON-TM5100S series and ON-TM5200S-S series)**
- HDMI output, 1080P **(Only for ON-TM5000S series)**
- Rapid ONVIF, Auto log in and display image, create testing report
- IPC test pro, auto scan all network segments IP, auto open PoE power and display the power. Input username and password, can scan camera image, can batch activate HIKVISION and Dahua cameras. Jump to ONVIF interface and test tools.
- AXIS, Hikvision camera test, enter ONVIF app, input username and password to test
 - HIKVISION test tool, support batch activate HIKVISION cameras and modify IP address, modify password etc. Self-defined modify channel name, can quickly change H.264 and H.265 video, open wide dynamic mode. Factory restore, etc.
 - Dahua test tool, support batch activate DAHUA cameras and modify IP address, user name and password. Self-defined modify channel name.
- IP and analog display image at the same time
- IPC TEST (Non-ONVIF test), HIK test tool (Hikvision camera), DH test tool (Dahua camera)
- CVBS camera test, PTZ controller
- DC12V/3A power output, camera can be powered from DC 12 Voltage.
- Rapid video, just by one key to detect all network cameras and auto display
- Built in Wi-Fi, display image from the wireless camera, create WIFI hotspot

Cable test:

- Improvement cable tester, UTP cable, telephone cable etc order and connectivity test, can save testing report, if special number, need customized. Can detect the near-end, mid-end and far-end fault point of RJ45 cable plug
- RJ45 TDR cable test, test cable pair status, length, attenuation, reflectivity, impedance, skew etc, can create test report.
- Digital Cable tracer, search BNC cable, network cable and telephone cable from the mess cables. Cable search and UTP cable can test at the same time * **(Optional, only for ON-TM5000SC, ON-TM5100SC and ON-TM5200SC)**

Other Functions:

- Network tool: Ping, IP scan, Port Flash, DHCP server, Trace Route
- Tester Play: Tester, android version mobile phone and PC display at the same time
- Traffic monitoring, display network port or WIFI connection real-time upload and download speeds and other network parameters
- Customers self-update software, you can install apps with android version
- Media player, 4K video files and MKV/MP4 media files play
- Display its genuine resolution of the IP camera images
- Audio in, support record and save the audio/LED lamp, calculators, music players and other application tools
- 7.4 V /3350mAh Li-ion Battery, after 3-4 hours charging, working time lasts 6 hours **(Only for ON-TM5100S series and ON-TM5200S-S series)**
- 7.4 V /2600mAh Li-ion Battery, after 3-4 hours charging, working time lasts 5 hours **(Only for ON-TM5000S series)**

Specification

LCD	Item series	ON-TM5000S (no SDI) / ON-TM5100S (no SDI) / ON-TM5200S-S (with SDI)	
	Display	New 5 inch IPS touch screen, 1920x1080 resolution	
Video Mode	CVBS	1 channel BNC input, NTSC/PAL (Auto adapt)	
		PTZ control, RS485 control, Baud 600-115200bps, compatible with more than 30 protocols such as PELCO-D/P, Samsung, Panasonic etc	
	IP camera test	IP Discovery/Quick ONVIF/IPC test /RTSP play /Client APK	
	4k/H.265/H.264	Rapid Video	Auto view the video, create testing report

		HIKVISION test tool	support batch activate HIKVISION cameras and modify IP address, modify password etc. Self-defined modify channel name, can quickly change H.264 and H.265 video, open wide dynamic mode. Factory restore, etc.
		DAHUA test tool	Support batch activate DAHUA cameras and modify IP address, username and password. Self-defined modify channel name.
	HD Coaxial test *	8MP TVI camera test, 3840 x 2160P 12.5/15 FPS, UTC control/ call OSD menu	
		8MP CVI camera test, 3840 x 2160P 12.5/15 FPS, UTC control / call OSD menu	
		8MP AHD test, 3840 x 2160P 15FPS, UTC control / call OSD menu	
		EX-SDI2.0, HD-SDI, 3G-SDI, UTC control / call OSD menu * (ON-TM5200S-S series)	
		Auto HD app, auto recognize HD coax camera type and resolution, support snapshot, video record& playback, coaxial PTZ & call OSD menu	
	HDMI input* (Optional)	1 channel HDMI input, support 4K 30FPS. The resolution as follow: 4K_3840 x 2160/2K_2560 x 1440P/ 1920x1080P /1920x1080i /720x480P /720x576P /1280x720P/1024x768P/1280x1024P /1280x900P /1440x900P, etc (Only for ON-TM5100S series and ON-TM5200S-S series)	
	VGA input* (Optional)	1 channel VGA input, support 1920 x 1200P 60FPS. The resolution as follow: 1920 x 1200P 60FPS/ 1920x1080P 60FPS /1792x1344P 60FPS /1680x 1050P 60FPS/(1600x1200P/900P 60FPS)/1440x900P 60FPS/1360x768P 60FPS/(1280x1024/960/800/768/720P 60FPS)/1152x870P 60FPS/1024x768P 60FPS/800x600P 60FPS/600x480P 60FPS. (Only for ON-TM5100S series and ON-TM5200S-S series)	
Zoom Image	4x zoom, to enlarge image, Screen snapshot, record, save, view and record and play back		
Power output	12V/3A power	Output DC12V/3A power out, supply temporarily power for the camera	
	PoE power output	48V PoE power output, max power 25.5W	
Cable test	Digital Cable tracer * (Optional)	Search BNC cable, network cable and telephone cable from the mess cables. Cable search and UTP cable can test at the same time * (only for ON-TM5000SC, ON-TM5100SC and ON-TM5200SC)	
	UTP cable test	Test UTP cable connection status and display on the screen. Can detect the near-end, mid-end and far-end fault point of RJ45 TDR cable test	
	RJ45 TDR cable test	Test cable pair status, length, attenuation, reflectivity, impedance, skew, can create test report. measurement range 180M.	
Tester Play	screen projection: Tester, mobile phone and PC display at the same time (For android version mobile phone)		
Network test	Trace route, Link monitor, DHCP server, port flashing, Ping test		
Wi-Fi	Built in WIFI, speeds 150M, display wireless camera image		
Audio test	1 channel audio signal input, test whether sound normal.		
Power management	Display DC 12V input & output voltage and power in real time		
Data monitor	Captures and analyzes the command data from controlling device, also can send hexadecimal		
External power supply	DC 12V 1A		
Battery	Built-in 7.4V Li-ion battery, 3350mAh		
Rechargeable	After charging 3-4 hours, normal working time 6 hours		
Operation setting	OSD menu, select your desired language: English, Chinese, Korean, Russian, Italian, French, Polish, Spanish, Japanese, Deutsch, Turkish Portuguese, Czech etc		
Auto off	1-30 (mins)		
Working Temperature	-10℃---+50℃		
Working Humidity	30%-90%		
Dimension/Weight	183mm x 110mm x 36.5mm /0.32kg		

Note: “*” sign mean functions are customizable

The data above is only for reference and any change of them will not be informed in advance. For more detailed technical inquiries, please feel free to contact us

Packing kits

- 1) Tester
- 2) Network cable tester
- 3) Adaptor DC12V 1A
- 4) Li-ion battery (7.4 V /2600mAh for tester ON-TM5000S series ; 7.4V DC 3350mAh for tester ON-TM5100S series and ON-TM5200S-S series)
- 5) Tool bag / DC Power cable/BNC cable/ RS485 cable/ Audio cable/ wrist belt/Safety cord
- 6) Manual