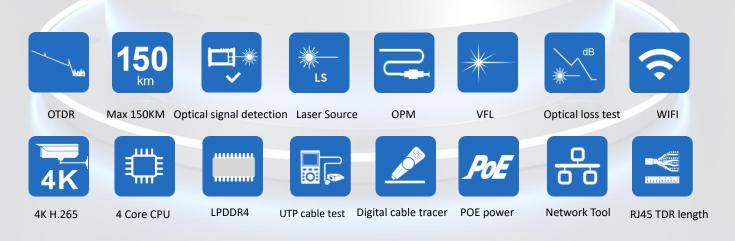
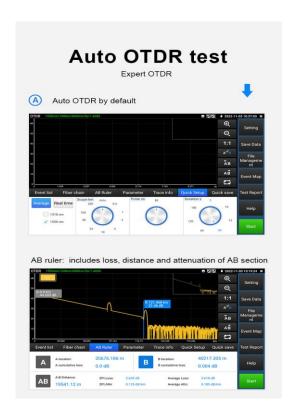
LMX7-ITCAAS



New Generation Multifunction CCTV Tester Combined with OTDR

4K H.265 IP Camera Tester





- Multi-functional OTDR and measuring instrument
- Stable laser source, optical power meter and visual fault locator
- ▶ 5.4 inch IPS touch screen, 1920*1152 resolution
- ◆ 4K H.265 & H.264 IP camera tester
- 4 core CPU, support online update and install applications
- Internal storage and external TF card
- Report saved as EXCEL, PDF, or screenshots format etc,
- Support snap shot screen
- Support remote control
- ♦ 8MP TVI CVI AHD camera test
- ♦ HDMI input/VGA input
- PoE power output and PoE voltage and power measurement
- DC24V 2A/12V 3A / 5V 2A power output
- Gigabit network port, support Ping and scan IP address etc
- NEW Android system
- RJ45 TDR cable shorts and opens test
- Improvement cable tester, UTP cable etc continuity test

Application

The LMX7-ITCAAS is an essential tool for fiber length, network and camera testing. OTDR displays the power of the returned signal related to distance. The information can be used to confirm the transmission quality of a fiber optic link. It is widely used in the maintenance, construction and monitoring of cable line.

It can measure optical fiber length, transmission attenuation of optical fiber, attenuation of splice, and failure location, etc. as well, built in camera tester for maintenance and installation of IP analog, HD coaxial cameras as well as other security equipment.

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

OTDR

- 5.4 inch IPS touch screen, 1920*1152 resolution
- 1310/1550 wavelength, 28/26 Dynamic range, max test range 130KM.
- Stable laser source, support CW/270/330/1000/2000Hz
- Test fiber's length, loss, attenuation parameters and event map, locate connection point/fusion point
- Automatic analysis of various linkers/fusion points, easy analyze of various events
- Save and view the testing curves, support zoom and move curves, view details.
- Support saving curves number ≥30000pcs
- Support create testing report, including curve trajectory graphs, parameter settings, fiber event information, and fiber link information
- Report saved as EXCEL, PDF, or screenshots format etc
- Loss test, detect the optical or optical components loss value

Camera test:

- 5.4 inch IPS touch screen, 1920*1152 resolution
- 4K H.265 video display via mainstream
- Analog camera test and PTZ control
- TVI 4.0/ CVI 5.0/ AHD 4.0 camera test, UTC control & call OSD menu
- AXIS, Hikvision, dahua camera testing, enter ONVIF app, input username and password to test
- DC24V 2A, DC12V/3A, 48V PoE power output, temporarily supply power for the camera
- Chrome browser, test and set Axis camera
- Support CVI 5.0 Audio testing
- 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
- 4K 30FPS HDMI input
- 1920*1080P VGA input

Cable test:

- Improvement cable tester, UTP cable, telephone cable etc sequence and continuity test, save testing report. Support detect the near-end, mid-end and far-end fault point of the RJ45 cable plug
- RJ45 cable TDR test, cable pair status and length test, max test 600 meters.
- Cable tracer, search BNC cable, network cable and telephone cable from the mess cables

Other functions:

- New Power management file, output power and input power management interface, to quickly check PoE48V, 24V2A, 12V3A power and voltage
- POE & power information, DC12V & PoE power and voltage output / input measurement
- Tester Play: Tester, android version mobile phone and PC display at the same time
- Shortcut button, drop-down menu, can select Poe power, IP setting, CVBS, LAN info, HDMI IN etc
- Advanced Network Tool, Scan IP, Route tracking, Socket debugging, ping packet test, DHCP, PPPOE, LLDP testing etc
- 7.4V 5200mA Li-ion Battery, 2.5 hours charging, normal working time lasts 11 hours

Specification								
Size & Display	5.4 inch IPS touch screen ,1920*1152 resolution							
Network Port	One 1000M LAN port, 10/100/1000M auto adapt							
WIFI	Built in 2.4G WIFI, speeds150M, display wirele	,						
H.265 mainstream test	H.265 & H. 264 IP, 4K video display via mainstream							
IP camera test	Support 500 brands IP camera test							
IP discovery	Auto-scan the whole network segment IP add	ress						
HD coaxial camera test	TVI 4.0/ CVI 5.0/ AHD 4.0 camera test, UTC control & call OSD menu							
CVBS camera test	1 channel BNC input & 1 channel BNC looped output, NTSC/PAL (Auto adapt)							
Zoom Image	4x zoom, enlarge image, screen snapshot, save, view and record and playback							
RJ45 cable TDR test	RJ45 cable TDR test, cable pair status and length test, max test 600 meters.							
HDMI input	4K 30FPS HDMI input							
VGA input	Support 1280x1024/960/800/768/720P 60FPS, 1152x870P 60FPS, 1024x768P 60FPS, 800x600P 60FPS, 640x480P 60FPS resolution							
Power output	48V PoE/ 24V 2A/ 12V 3A / 5V 2A power outp	ut						
UTP cable test	Test UTP cable connection status and display on the screen. Read the number on the screen. Detect the near-end, mid-end and far-end fault point of RJ45 cable connector, also can test shield cable							
Data monitor	Captures and analyzes the command data from controlling device, also can send hexadecimal							
Network test	Trace route, Link monitor, DHCP server, port fl	ashing, Ping test						
Digital Cable tracer	Search BNC cable, network cable and telephone cable from the mess cables. Cable tracer							
Digital Cable tracer	and UTP cable test app in the same interface,	also can search shield cable						
	Voltage range	AC12-1000V						
Electroscope	Frequency	50/60Hz						
	Alarm type	Sounds and light double alarms						
	Level	CAT.III 1000V / CAT.IV 600V;CE						
PoE Voltage test	Measurement POE switch or PSE power supply voltage and cable connection status							
Visual fault locator	10mW visual fault locator with 650nm wavelength, emit red laser sources to test multi-mode and single mode fiber's bending and breakage, test range 8KM							
Optical power meter	Wavelength:1625nm,1550nm,1490nm,1310nm,1300nm,850nm,measurement range ,-70 \sim +10 dBm, for optical power testing and Fiber link loss relative measurement							
Power								
External power supply	DC 12V (2A)							
Battery	Built-in 7.4V Lithium ion battery, 5200mAh							
Rechargeable	After charging 2.5 hours, normal working time 11 hours							
Parameter								
Operation setting	OSD menu, select your desired language: English, Portuguese, Korean, Russian, Italian, French, Polish, Spanish, Japanese, Turkish, Deutsch, Serbian, Czech, Vietnamese etc							
Auto off	5-30 (mins)							

Working environment				
Working	-10℃+50℃			
Temperature	-10 C 30 C			
Working Humidity	30%-90%			
Dimension/Weight	264mm x 182mm x 43mm / 1KG			

Packing list

- 1) Tester
- 2) Digital Cable tracer/ RJ45 to BNC connector
- 3) Adaptor DC12V 2A/8GB TF card
- 4) Li-ion Battery (7.4V 5200mAh)
- 5) Tool bag / DC12V Power cable/BNC cable/ RS485 cable/RS485 port/ Audio cable/ Safety cord
- 6) SC connector, Fiber test head
- 7) BNC alligator clip
- 8) OTDR test report
- 9) User Manual

OTDR Technical Specifications									
Wavelength (nm) Optional *	1310/1550			1610					
Dynamic range(dB) ² Optional*	28/2	30/2	32/30	34/34	28	30	32	34	
	6	8							
Pulse width (ns)	5,10,20,30,50,80,160,300,500,800,1000,2000,4000,6000,10000,20000								
Testing range	≤150 Km								
Event blind zone (m) ³	≤1.6m								
Attenuation blind zone (m) ³	≤8m								
Linearity (dB/dB)	±0.05 dB/ dB								
Loss threshold (dB)	0.05								
Loss resolution ratio (dB)	0.01								
Minimum distance resolution	0.05								
Sampling point(K)	32-128								
Distance uncertainty (m)	\pm (1 m + 5×10 ⁻⁵ × distance + sampling interval)								
Distance scope (km)	0.5,1,2,5,10,25,50,100,200								
Typical real-time refreshing duration	1 s								
File format	SOR standard format/PDF/EXCEL								
Measurement duration	5sec, 10sec, 15sec, 30sec, 1min, 2min, and 3min are selectable								
Storage	FLASH (EMMC)8G + TF card								
Interface type	SC-UPC								

Remarks:

- 1. The technical specification describes the ensured performance of the instrument when using typical PC model connector to measure, without considering the uncertainty caused by optical fiber refractivity.
- 2. Dynamic range is the data measured under the condition of the maximum pulse width and 3 minutes of average time. Dynamic range is the data measured under the condition of 200km/20000ns/3min.
- 3. Measuring conditions of blind zone: reflection event is within 5km reflection strength is 45dB. Measured by the minimum pulse width.