OTDR MT -7300

MT-7300 series of handheld Optical Time Domain Reflector (OTDR),Originate touch screen operate，with a hotkey for automatic rapid testing. curves and screenshot storage，Trajectory analysis etc，can be widely used in metropolitan, WAN, CATV and other communication systems for fiber optic cable or fiber installation, troubleshoot, transformation and maintenance.

MT-7300 built in IP camera ,Analog camera，PTZ control monitor test etc.Image generator, Video level meter、BNC cable test、cable search、IP address scan, PING etc,it can effective judge and solve the problem of the security monitoring and integrated wiring, improve work efficiency , it is multifunction tools for the CCTV system and integrated wiring

Application

- Fiber testing and Maintenance
- Network cabling project installation and maintenance

Feature

7 inch Capacitive touch screen，easy to operate

Curves and screenshot storage

Dynamic Range32/34dB

Originate IP camera and Analog camera test

PTZ control,Color bar generator

IP address scan,PING test etc

Cable scan, UTP cable test etc

Specifications

Wavelength（nm）	1310				1550	
Dynamic Range（db）[2]		34/32			34/32	
Pulse width ns）	10,20,40,80,160,320,640,1280,2560,5120,10240,20480				10,20,40,80,160,320,640,1280,2560,5120,10240,20480	
Event Dead Zone (m)3	2m				2m	
Attenuation Dead Zone (m)3	9m				9m	
Linearity (dB/dB)	+0.05dB/dB					
Loss threshold(dB)	0.05					
Loss resolution (dB)	0.01					
Sampling resolution (m)	0.125 ~ 8					
Sampling Number	32K					
Distance uncertainty (m)	$\pm$ (1m+5$\times$10^{-5}$\times$testing distance $\pm$ resolution)					
Measuring range (km)	0.3 ~ 200					
Refresh time(s)	0.2					
Data storage capacity	>10000traces(1GB SD storage)，traces snapshot and save					
Measuring time	User-defined，5(s)、10(s)、15(s)、30(s)、1(mins),2(mins)、3(mins)Optional					

Note：

1. Dynamic Range test data under the Max pulse width and the average time of 3 minutes (100km/10240ns/3min)

2.Dead zone measurements conditions Reflection events within 4K, Reflection intensity < -35dB, under the Max pulse width.

3. All above of the data description use PC connector type to test, Does not include the error caused by optical fiber refractive index

Other parameters

Other technical specifications	
Display	7 inch ,Capacitive touch screen with a resolution of 1024 × 600
Communication port	0/100M adjustable，RJ45
IP camera	ONVIF，ACT,DA HUA(IPC-HFW2100P,HIKVISION (DS-2CD864-E1),SAMSUNG,(SNZ-5200),TIANDY(TD-NC9200S2),Kada(IPC120 L),HONEYWELL(HICC-2300T),AIPU(IP5000-BC-13MP/IRS06-13MP),FINE (IPC),BY-1080Q etc, Customizable
Video signal test	1 channel BNC Input & 1 channel Output，support PAL/NTSC format
Video level meter	Video PEAK lever,SYNC level, COLOR BURST measurement
12V power output	output power DC 12V for camera, the current is near 1A.
Audio input	test the pickup and other audio equipments on the front-end
PTZ control	RS232/RS485 control，baud 600-115200bds. Support more than 30 protocols Pelco-D/P、Samsung、panasonic、lilin。Yaan etc
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 test	Test UTP cable connection status and display in the screen. Read the number of the test box
Data Monitor	Captures and analyzes the command data from controlling device
Photograph, Video record, Record playback	Snapshot, Video record, views the storage file in the SD card.
Network testing	IP address scan, Link monitor, PING test. Scan the ID of the PTZ camera quickly
Cable scan	Search the cable by the audio signal
POE test	Display the power supply voltage and cable connection states
Visible red laser source	Test fiber's bending and breakage (SM and MM fiber)

Power

External power	DC 5V(2.5~3.0A)
Battery	Built-in 3.7V Lithium polymer battery,15000mAh
Working Time	After charging 8-10 hours, working time lasts 16 hours(OTDR working time≥8h)

Parameter

Operation setting	Capacitive touch screen. English/Chinese OSD menu
Auto off	off/5~60mins
Key tone	on/off
General	
Working Temperature	-10℃ ~ +50℃
Working Humidity	30% ~90%
Dimension/ Weight	231mm ×172mm ×52mm/ 1.26Kg