

## Multi-functions 5.4 INCH OTDR 8K CCTV IPC Camera Fiber Tester

### Model: MT-6800 series

- 5.4 inch IPS touch screen, 1920\*1152 resolution
- 8K H.265 video display via mainstream
- 8MP TVI CVI AHD camera test\*
- TVI 5.0 support audio test\*
- 4K 30FPS HDMI input & 4K 30 FPS HDMI output\*
- 1310/1550/1610 Dual wavelength, max test range 150KM
- 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 cures number  $\geq 30000$ pcs
- Support UCC menu control mode A-TYPE, B-TYPE select
- Optical power meter and visual fault locator



## Features

### **OTDR: New**

- 5.4 inch IPS touch screen display, 1920\*1152 resolution
- 1310/1550/1610 wavelength optional, 26/28/30/32/34dB Dynamic range optional, max test range 150KM
- Stable laser source, support CW/270/330/1000/2000Hz
- Optical power meter and visual fault locator
- 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  $\geq 30000$ pcs
- 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
- Optical power meter and Visual fault locator

### **Camera test:**

- 8K H.265 video display via mainstream, analog camera tester
- 8MP TVI test, 3840 x 2160P 15 fps, 4xzoom, video record & playback, coax PTZ control & call OSD menu (Optional)
- 8MP AHD test, 3840 x 2160P 12.5F/15fps, 4xzoom, video record & playback, coax PTZ & call OSD menu (Optional)
- 8MP CVI test, 3840 x 2160P 12.5/15fps, 4xzoom, video record & playback, coax PTZ & call OSD menu (Optional)
- TVI 5.0 audio testing (Optional)
- Support 4K 30FPS HDMI input, 4K 30 FPS HDMI output (Optional) **New**
- 2K 60FPS VGA input (Optional)
- IPC TEST PRO app, making the operation easier
- Rapid ONVIF, Auto log in and display image, create testing report
- Chrome browser, test and set Axis camera
- AXIS, Hikvision camera test, enter ONVIF app, input username and password to test
- IPC TEST (Non-ONVIF test)
- Video level meter, peak video signal level, SYNC signal level, Color bar chroma level measurement
- DC12V/3A power output, camera can be powered from DC 12V Voltage
- 48V PoE power output
- Rapid video, 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 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, test cable pair status, length, attenuation, reflectivity, impedance, skew etc, max test 180M
- Cable tracer, search BNC cable, network cable and telephone cable from the mess cables
- Larger Lithium Ion Polymer Battery, 3.5 hours faster charging, working time lasts 11 hours

## Specifications

OTDR Technical Specifications								
Wavelength (nm) <b>Optional</b> *	1310/1550				1610			
Dynamic range(dB) <sup>2</sup> <b>Optional</b> *	28/26	30/28	32/30	34/34	28	30	32	34
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) <sup>3</sup>	≤2m							
Attenuation blind zone (m) <sup>3</sup>	≤10m							
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)	±(1 m + 5×10 <sup>-5</sup> × distance + sampling interval)							
Distance scope (km)	0.5,1,2,5,10,25,50,100,200							
Typical real-time refreshing duration	1s							
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	FC/SC-PC							
Remarks: <ol style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>Measuring conditions of blind zone: reflection event is within 5KM reflection strength is 45dB. Measured by the minimum pulse width.</li> </ol>								