



MFT3

HD Multi-Function Test Monitor



General Features

- Multi Format CCTV Tester
- 7" IPS Touch Screen Display
- Easy to operate Menu system
- IP Camera Test (4K, H.264, H.265)
- Network bandwidth testing
- Analogue Camera / Video Test (NTSC / PAL)
- AHD, TVI, CVI, HD-SDi, EX-SDi Camera Test
- Enhanced Cable Test (UTP, RJ45, Telephone)
- Coax / CVBS Loop Test with Colour Bar Generator
- HDMI Input Test up to 1080P
- PoE 24W power supply to IP camera
- HDMI signal output, supports 1080P
- DC12V 2A power output for camera
- USB 5V 2A power output to mobile phone
- Normal and Lite User Modes for simplicity
- Micro SD Card option for Video and Snapshot saving
- Digital Zoom facility up to 4X on Analogue and IP
- Video Record and Playback for Analogue and IP video
- Option for user to install Android apps such as skype, wechat, etc
- Media File Playback supports 4K video files and MKV / MP4
- Screen lock, Password lock and Pattern lock feature
- Screen Mirroring to Android phones and PC display simultaneously
- Screen management with customised backgrounds & icon placement
- Display adjustments for brightness/contrast and colour saturation
- Audio input test and output, test the audio signal from pickup devices, support audio output
- Lithium Ion Polymer Battery provides 10 hours normal use operation from a 6 hour charge
- Advanced power control and protection circuit ensures high power-efficiency, energy saving and environmental protection

IP Specific Features

- Built-in WiFi to receive network image and data, WiFi hotspot option
- Supports IP camera Android apps and RTSP to view camera streams
- Rapid Video, one key detects all network cameras and auto displays streams
- Rapid Onvif auto log in and display camera streams, Onvif PTZ controller
- Testing reports indicate Ports used, Network speeds and quality
- IP and Analogue camera simultaneous testing with dual display
- IP Auto-discovery with Link Monitor checks for available and duplicate IP addresses
- Ping testing, test an IP camera or other network devices' ethernet port
- FTP Server, DHCP Server, for simultaneous testing of IP camera features
- PoE voltage measurement, test a PoE switch's voltage output to Cameras, wireless AP devices etc
- Device Port flicker, locate a connected PoE switch port by sending special signals, the connected PoE port will flicker

Analogue Specific Features

- Multi-protocol. Supports more than thirty PTZ protocols. Such as Pelco-P, Pelco-D, Samsung etc
- Supports RS485, Baud rates 150 ~ 115200bps adjustable
- PTZ address scan, search for the ID of a PTZ camera.
- PTZ protocol analysis, control protocol command displays to check RS485 transmission
- PTZ control. Pan/tilt, Zoom in/out, Focus adjust, Iris adjust and Set and test preset positions

Technical Specification

Signal System	NTSC / PAL (Auto-detection)
Display	7" IPS Touch Screen (1280*800 resolution)
Menu System	Touch Screen icons, Drop-down Menus, simple familiar operation to smart phones
Video Input / Output	1 channel BNC Input, 1 channel BNC Looped Output (1.0v p-p)
Audio	1 x 3.5mm Input, 1 x 3.5mm Output to test / monitor audio devices
HDMI Support	1 x HDMI Input, 1 x HDMI Output (Both up to 1080P)
Network Port	RJ45 8 pin (10/100M auto-adjust)
Analogue Camera Support	CVBS (1.0V p-p), AHD, CVI, TVI, HD-SDi, EX-SDi
IP Camera Type Support	4K, H.264, H.265, ONVIF, ONVIF PTZ control, Dahua, HikVision, Samsung, Honeywell etc (Plus customised options)
IP Camera Apps	Supports installation of Android camera apps (Pre-installed HikVision iVMS-4500 and Dahua gDMSS HD Lite)
Specific Device Tools	One-Key test / activation for HikVision and Dahua Cameras (with username/password and IP quick modify)
WiFi	Built-in WiFi up to 150Mb/s, Can perform as a WiFi Hotspot for wireless camera testing
PoE Power Output	PoE 24W output to supply PoE Cameras/Devices
PoE Test	PoE Voltage Test, PoE Port Flicker option, PoE Link Monitoring
CVBS Loop Test	Send and receive Colour Bar signal to verify intact Coax cable
Cable Test	Checks Connection of UTP, RJ45, Coax
Network Functions	FTP Server, DHCP Server, Bandwidth Test, IP Device discovery
Rapid Video	Auto-Scan and detect / display camera streams, Test Report creation
Direct Streaming	Supports RTSP stream commands
IP Scan	Scans connected network for addresses currently in use
Telemetry Communication	RS485 (TX+ / TX-) 2-pin screw terminal
PTZ Protocols	More than 30 types, including Pelco D, Pelco P, Samsung, Panasonic, Teleeeye etc etc
Baud Rates	150, 300, 600, 1200, 2400, 4800, 9600, 19200, 115200bps
PTZ Data Capture	Reads and displays commands sent from PTZ controllers
PTZ Additional Features	Address Scanning scans for Telemetry ID's used on data lines
AHD Input Support	Up to 4MP; Display, Zoom, Record / Playback, Coaxial PTZ Control, Call Camera OSD 1280 x 720P @ 25/30fps 1920 x 1080P @ 25/30fps 2048 x 1536P @ 18/25/30fps 2560 x 1440P @ 15/25/30fps
HD-TVI Input Support	Up to 5MP; Display, Zoom, Record / Playback, Coaxial PTZ Control, Call Camera OSD 1280 x 720P @ 25/30/50/60fps 1920 x 1080P @ 25/30fps 2048 x 1536P @ 18fps 2688 x 1520P @ 15fps 2560 x 1944P @ 12.5fps
HD-CVI Input Support	Up to 4MP; Display, Zoom, Record / Playback, Coaxial PTZ Control, Call Camera OSD 1280 x 720P @ 25/30/50/60fps 1920 x 1080P @ 25/30fps 2560 x 1440P @ 25/30fps
HD-SDi / EX-SDi Input Support	Up to 2MP 1280 x 720P @ 25/30/50/60fps 1920 x 1080P @ 50/60fps 1920 x 1080i @ 25/30/50/60fps
Image Zoom	4 x Digital Zoom on local and remotely connected display
SD Card Support	Micro SD Card support for image snapshot and Video Recording / Playback (4GB supplied, supports up to 32GB)
Display Adjustment	Brightness, Contrast, Colour Saturation
Night Torch	Built-In bright white LED for night time torch function
USB Output	USB 5.0V 2A Output to power / charge (mobile phone for example)
Power Save	Sleep Mode, Battery Level indicator
Rechargeable Battery	Lithium-Ion Polymer, 7.4V DC, 5400mAh, 10 Hours normal use from 6 Hour charge
Power Adaptor	5V DC, 2A Input supply (Supplied)
Power Output	12V DC, 2A Output for Cameras (Break-out cable supplied)
Dimensions	240mm x 158mm x 440mm (Tester); 320mm x 290mm x 98mm (Carton)
Weight	1000g (Tester); 2580g (Tester with Accessories, Carry Pouch, Carton)