

X600 OTDR Tester · 150 km · 1310/1550 nm · 8K H.265 CCTV IP · 7-inch IPS · HDMI IN 4K · Wi-Fi and Gigabit

Professional Installations / OTDR & Test Equipment

Professional X600 OTDR, IP CCTV and network tester: 1310/1550 nm OTDR up to 150 km, 28/25 dB, 1 m event dead zone; 7-inch IPS 1920 × 1200, 8K H.265, AHD/CVI/TVI 8 MP, HDMI IN 4K, Gigabit and Wi-Fi analyzer.



PROBADOR OTDR + CCTV IP

X600 · 150 km · 1310/1550 nm
IPS 7" · CCTV IP 8K H.265 · HDMI IN 4K
1920 × 1200 · Wi-Fi · Redes Gigabit
KG-FT-OTDR-IPC-X600

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Interface — OPM

Optical power meter: multiple wavelengths, attenuation/loss and continuity; ranges and wavelengths not specified.

Interface — RS485 Interface

RS485 interface for controlling compatible equipment.

Interface — PSE Voltage Input

PSE voltage input identified at the LAN1/PSE port in the image; measurement range not published.

Key features

- OTDR 150 km · 1310/1550 nm: Dual wavelength, 28/25 dB dynamic range, 1 m event dead zone and one-touch report.
- 7-inch IPS: 1920 × 1200 pixels and a folding 180° sunshade.
- IP CCTV up to 8K H.265: H.265+/H.265 decoding and references to 12 MP cameras. also H.264 and MPEG4.
- AHD · CVI · TVI at 8 MP: Coaxial video testing up to 3840 × 2160. HDMI IN up to 4K and HDMI OUT.
- Batch IPC: ONVIF, discovery across all segments, activation/IP changes for more than 100 brands and preview of up to 32 channels.
- Cabling and Gigabit Ethernet: TDR, RJ45 wire mapping, dual-channel Ethernet and digital tracing with active PoE protected up to 60 V.
- Wi-Fi and reports: Signal/interference analysis, printable reports, screen sharing and 8 GB internal storage.
- 16 interfaces and functions: OTDR, OPM, VFL, RS485, PSE, analog video, audio IN/OUT, PoE, dual DC12V/3A, 12V charging, USB, TDR, microSD, tracing and HDMI IN/OUT.

Technical specifications

Parameter	Specification
Interface — OPM	Optical power meter: multiple wavelengths, attenuation/loss and continuity; ranges and wavelengths not specified.
Interface — RS485 Interface	RS485 interface for controlling compatible equipment.
Interface — PSE Voltage Input	PSE voltage input identified at the LAN1/PSE port in the image; measurement range not published.
Interface — Industrial Surveillance	Function named “Industrial Surveillance” in the manufacturer's list; the site provides no further technical definition.
Interface — Analog Input and Output	Analog video input and output; color bars, loop test and BNC continuity.
Interface — OTDR	Optical reflectometry at 1310/1550 nm, stated range 150 km, dynamic range 28/25 dB, event dead zone 1 m; convertible threaded SC/FC adapter.
Interface — VFL Red Light Source	Visible red light for locating fiber breaks, cracks and bends.
Interface — Audio IN and OUT	Audio input and output; the table details one input with testing and recording.
Interface — Gigabit Ethernet PoE Output	Auto-sensing 10/100/1000 Mbps Ethernet with PoE/PoE+ power and load display.
Interface — Dual DC12V/3A Output	Two DC 12 V / 3 A outputs according to the manufacturer's list and image; simultaneous power budget not published.
Interface — 12VCharging Port	DC 12 V input/charging port.
Interface — USB	USB with DC 5 V output; the table states 5 V / 2 A.
Interface — TDR Test Port	Copper cable testing: break point, length, attenuation, impedance and return loss.
Interface — micro SD	microSD slot for removable storage; maximum capacity not specified.
Interface — Cable Tracing Interface	Digital tracing and sequence testing, including active PoE; declared protection up to 60 V.
Interface — HDMI IN and OUT	HDMI input and output. Input up to 4K with synchronized audio and video; output resolution not published.
KONGIA model	KG-FT-OTDR-IPC-X600
Platform and origin	IPC X600; manufacturer brand YEEARM, own factory in Guangzhou, Guangdong, China.
Reference MOQ	1 unit
OTDR — dynamic range	28 dB / 25 dB, declared values; test conditions and wavelength allocation not detailed.
OTDR — event dead zone	1 m, declared value.

Technical specifications

Parameter	Specification
OTDR — reports	One-touch test report.
OTDR — image comparison	The manufacturer compares 150 km with 40 km for other models and advertises 3.7x; supplier marketing comparison, not an independent test.
Sunshade	180° opening.
Battery — feature list	7800 mAh according to the feature list; the technical table states 2600 mAh. The page does not resolve the difference.
Fast charging — published reference	8 minutes of charging for 30 minutes of work according to the feature list. Conditions for this measurement are not published.
Video — difference between sections	The top summary states 6K H.265+; the heading, detailed list and technical table state up to 8K H.265+/H.265. The technical detail is used as the reference and this discrepancy is retained.
Additional codecs	H.264 and MPEG4, in addition to H.265/H.265+.
HD coaxial video	AHD / CVI / TVI up to 8 MP, 3840 × 2160.
Batch IPC management	Activation and IP changes for more than 100 brands according to the feature list; operations require permissions and compatible equipment.
Batch preview	Up to 32 channels according to the feature list.
Wi-Fi analysis — interference	Real-time signal strength and interference.
TDR — cable types	Network, BNC and telephone cable: length, break point, attenuation, impedance and return loss.
Delivery configuration	The page describes OTDR, OPM, VFL, SFP, EX-SDI and multimeter; supplied modules and accessories must be identified in the quotation. Functions labeled Pro Edition are expressly distinguished.
Unpublished data	Dimensions, weight, nominal battery voltage, total runtime, total charging time and maximum PoE power are not verifiably specified on this page.
Screen	7-inch IPS, 1920 × 1200 pixels.
Adaptive Gigabit Ethernet	10/100/1000 Mbps, auto-sensing.
Battery — technical table	Integrated 2600 mAh battery pack with smart fast charging. The feature list publishes 7800 mAh; supplied capacity to be confirmed.
Integrated Wi-Fi	Link up to 150 Mbps, wireless IP camera testing and wireless connection.
H.265/H.265+ main-stream test	Hardware decoding up to 8K and testing of 12 MP cameras. These are distinct references; physical screen 1920 × 1200.
Network camera test	One-touch smart testing: automatic IP discovery, login and immediate viewing with valid credentials.

Technical specifications

Parameter	Specification
Ethernet test	Dual-channel 10/100/1000 Mbps Ethernet link status and traffic detection.
Automatic IP discovery	Scanning of all addresses in the segment and automatic video access.
IP segment adaptation	The tester IP adapts to the camera's network segment.
Fast ONVIF	Automatic access and playback, IP/channel name changes and report generation.
CCTV brand tools	Batch activation and IP changes, channel names, user, password and other parameters. Customization for other brands available from the supplier.
Advanced link monitoring	Ethernet statistics, loopback and network loop testing.
Advanced tools — Pro Edition	Ping, IP scanning, port flashing, PPPoE, DHCP, MAC lookup, socket debugging, DNS optimization and port scanning. The manufacturer expressly identifies this row as Pro Edition; availability on X600 depends on configuration.
Lens simulation	Field of view for 2.8 / 3.6 / 4 / 6 / 8 / 12 / 16 / 25 mm lenses.
Focus information	Camera focus information, transmission signal quality and image quality.
Camera power	Standard PoE/PoE+, DC 12 V and DC 5 V / 2 A.
Wire sequence	Sequence, continuity, RJ45 connector crimping and cable usage check.
HDMI input	One HDMI input up to 4K, synchronized audio and video.
Virtual IPC image test	Add the tester IP to the NVR to check channel status using a virtual camera.
Video zoom	Video zoom, IP image magnification and panning.
Image management	Zoom, photo capture, video recording and PTZ control.
PoE power test	The table cites "PoE/PoE+ IEEE802.3bt" and load display. The published terminology mixes categories; it does not specify maximum power or a confirmed IEEE class.
Audio test	One audio input for functional testing and recording.
Integrated storage	8 GB for temporary recording, screenshots and test reports.
Professional Wi-Fi analysis	Nearby signal strength, channel stability, encryption, speed, MAC address and network card manufacturer information; printable reports.
Screen sharing	Share the tester screen with a phone without installing additional software, according to the manufacturer.
Smart AI IPC — one-touch test	Integrates power, IP detection, video viewing, activation and link status in one operation.
Security tools	Recording capacity, focal length and bandwidth calculation.

Technical specifications

Parameter	Specification
Virtual network monitoring	The tester presents itself as an IP camera to analyze NVR and cabling problems.
RJ45 fault location	Visually shows which conductor in the connector is faulty, on the main unit or remote tester.
Protected digital tracing	Cable tracing and sequence testing; supports active PoE and protection voltage up to 60 V. Noise-free, interference-resistant digital signal, according to the supplier.
Gigabit SFP test	Insertion of an SFP optical module for fiber network communication testing.
4K HDMI diagnostics	DVR/NVR and other equipment testing through audio and video input up to 4K.
OTDR — length and break point	Dual wavelength 1550/1310 nm, stated range 150 km. Length, break points, attenuation, splices and connections. Convertible threaded SC/FC adapter.
VFL — visible red light	Location of fiber breaks, cracks, bends and other abnormalities.
Analog color bars	Color bar output, loop test and BNC cable continuity.
EX-SDI test	8 MP EX-SDI cameras, view controls and menu access.
OPM — optical power	Multiple wavelengths; attenuation/loss and fiber continuity testing.
Digital multimeter	Numeric and panel display; one-touch report generation. Quantities, ranges, accuracy and safety category not published.

Applications

Fiber diagnostics

OTDR, optical power and visual fault location according to supplied modules.

CCTV installation

IP, AHD/CVI/TVI, ONVIF, batch activation and multichannel preview.

Network maintenance

Gigabit, link monitoring, digital tracing, TDR and RJ45 wire mapping.

DVR/NVR diagnostics

HDMI IN/OUT and virtual IP camera.

Field documentation

Screenshots, recording, printable reports and screen sharing.

Packaging & contents

The quotation identifies the X600 unit, OTDR module and other modules/accessories, charging adapter, cables and optical adapters, tracing accessories, case and documentation. The page does not publish a fixed contents list.

Warranty

KONGIA 3-year warranty.

Declared compliance

RoHS · ISO 9001 · REACH · CE Compliant