

KONGIA

SKU LISTING DEVELOPMENT BRIEF

KG-FT-OTDR-IPC-X600

Professional OTDR & IPC Multifunction Tester



1. Product Positioning

KONGIA KG-FT-OTDR-IPC-X600 is a professional all-in-one field tester designed for CCTV, IP surveillance, structured cabling and fiber-optic installation teams. It combines IPC camera testing, analog HD video testing, network diagnostics and optional OTDR fiber testing in one rugged platform. The product is intended to be a flagship cross-category installer tool for KONGIA in Latin America.

Recommended Spanish product name: Probador Multifunción Profesional OTDR, CCTV IP y Redes

Recommended website category: Fiber Optic Solutions > OTDR & Fusion Equipment

Secondary exposure: Professional Installation Tools > CCTV / Network Testers

2. Target Customers & Applications

- CCTV and security system installers / integrators
- Fiber-optic and FTTH contractors
- Network cabling installers
- ISP and telecom maintenance teams
- Hikvision / Dahua ecosystem distributors and professional installers
- Integrated low-voltage engineering contractors

3. Core Selling Points for Website

- **All-in-One Engineering Platform:** Combines CCTV/IP camera testing, network diagnostics and fiber OTDR functions in one field instrument.
- **Up to 12MP IP Camera Testing:** Supports high-resolution IP camera testing and H.265+/H.265 video decoding.
- **Multi-Format CCTV Compatibility:** Supports IP plus mainstream HD analog formats including TVI, CVI and AHD, subject to final OEM configuration.
- **Professional Fiber Diagnostics:** Optional OTDR module measures fiber length and helps locate breaks, attenuation events, connector points and splice points.
- **Complete Network Troubleshooting:** Includes IP scan, Ping, DHCP and related Ethernet diagnostic functions for on-site commissioning.
- **Cable TDR & Quality Testing:** Supports network cable sequence, length/quality and fault-related testing functions.
- **PoE & Field Power Support:** Provides PoE output plus auxiliary DC power outputs for convenient camera installation and troubleshooting.
- **Large 7-inch Full-HD Display:** 1920 × 1200 display provides clear live video, menus and engineering information in the field.

4. Key Technical Specifications

Parameter	Proposed / Supplier Information
Display	7-inch, 1920 × 1200 IPS full-view display
IP Camera	Up to 12MP; H.265+/H.265 decoding
Analog HD Video	TVI / CVI / AHD up to 8MP (verify exact OEM configuration)
ONVIF	IP camera discovery / image display / related control functions
HDMI	HDMI input/output support; exact resolution/options to be confirmed
Network Tests	IP scan, Ping, DHCP, network status and related tools
Cable Test	TDR / cable sequence / cable quality / cable length-related functions
PoE Output	PoE / PoE+ output, max. 90W stated by supplier; verify before publication
DC Output	12V/3A adjustable output; 5V/2A output
Wi-Fi	Built-in Wi-Fi analysis/information display
Battery	12.6V lithium battery, 6400mAh
Operating Time	Approx. 4h heavy-use / up to approx. 10h normal use, supplier stated
Dimensions	250 × 165 × 55 mm
Weight	Approx. 1.4 kg
OTDR	Optional; fiber length, breakpoint, attenuation/event, connector and splice-point testing. Final wavelength, dynamic range and distance MUST be confirmed before listing.

5. Critical OEM Confirmation Before Final Listing

IMPORTANT: X600 is a modular platform and several functions shown in the supplier material are marked optional. Carlos must not publish unconfirmed optional functions as standard features.

- Confirm exact OTDR module: wavelength(s), dynamic range, maximum test distance, dead zone, connector type and event-map capability.
- Confirm whether OTDR is standard in the KONGIA OEM version or an optional configuration.
- Confirm exact supported camera resolutions and TVI/CVI/AHD formats.
- Confirm HDMI IN / HDMI OUT configuration and maximum resolution.
- Confirm PoE maximum output and applicable IEEE standards.
- Confirm whether SFP optical module test, fiber-network test, coax/BNC test and digital cable tracing are included or optional.
- Confirm battery runtime, charger, accessories and standard package list.
- Confirm software language availability; KONGIA version should prioritize Spanish + English.
- Remove supplier branding and Chinese UI/labels from final KONGIA marketing materials where OEM firmware permits.

6. Recommended Website Listing Structure

- Image 1 – Clean hero image on white background
- Image 2 – All-in-one: OTDR + IPC + Network testing
- Image 3 – 12MP IP camera / H.265+ testing
- Image 4 – TVI / CVI / AHD application
- Image 5 – OTDR fiber fault-location function
- Image 6 – Network / cable TDR diagnostic functions
- Image 7 – PoE and DC field power outputs
- Image 8 – 7-inch display + rugged field design
- Image 9 – Application scene with CCTV / network / fiber installer
- Image 10 – Package contents / carrying case / accessories

7. Suggested Short Description

Professional all-in-one tester for CCTV, IP networks and fiber-optic field service. The KG-FT-OTDR-IPC-X600 integrates high-resolution IPC testing, multi-format CCTV diagnostics, Ethernet/cable troubleshooting, field power functions and configurable OTDR capability in a rugged 7-inch platform.

8. SEO Guidance – Latin America

SEO Title (ES): KONGIA X600 Probador OTDR, CCTV IP y Redes Profesional

Meta Description (ES): Probador profesional KONGIA X600 para instalación y mantenimiento de CCTV IP, redes y fibra óptica. Pantalla de 7 pulgadas, pruebas IPC, TDR, PoE y configuración OTDR.

Suggested keywords: probador CCTV, tester cámaras IP, OTDR, probador fibra óptica, tester PoE, probador redes, CCTV tester profesional

9. Brand / Commercial Role

Role in KONGIA portfolio: FLAGSHIP / DIFFERENTIATION SKU. This product should not be positioned as only another OTDR. Its strongest commercial message is that one professional installer can troubleshoot CCTV cameras, Ethernet cabling, IP networks and fiber infrastructure with a single field platform. This directly connects KONGIA's CCTV accessories, network cabling, fiber-optic and professional installer-tool product lines.

10. Naming & Ordering

KONGIA Model: KG-FT-OTDR-IPC-X600

Series Name: X600 Professional OTDR & IPC Tester

Brand: KONGIA

Primary Market: Latin America

Website language priority: Spanish; English secondary

Internal note: Technical parameters marked optional or supplier-stated must be validated against the final OEM BOM/sample before publication.