

X450 4.5-inch 8K IP and 8MP CVI/TVI/AHD CCTV Tester, without OTDR

CCTV Accessories / CCTV Testers

KONGIA tester for IP cameras up to 8K, analog CVBS cameras and CVI/TVI/AHD HD video up to 8 MP. 4.5-inch screen, 48 V PoE and copper TDR. Configuration without OTDR.



PROBADOR CCTV IP X450 • 8K H.265

PoE 48 V • Wi-Fi integrado y analizador

Pantalla táctil de 4,5 pulgadas • 960 × 540

SKU: KG-CT-IPC-X450

KG-CT-IPC-X450

Equipment type

Handheld tester for IP cameras, CCTV and network cabling

Standard configuration

IP up to 8K + CVBS + CVI 8 MP + TVI 8 MP + AHD 8 MP; without OTDR

Screen

4.5-inch capacitive touchscreen; 960 × 540 pixels

Key features

- IP up to 8K and analog cameras: H.265 IP main-stream testing up to 8K at 24 fps and PAL/NTSC CVBS input.
- CVI, TVI and AHD at 8 MP included: All three HD coaxial CCTV technologies form part of this standard configuration.
- Compact 4.5-inch screen: Portable 155 × 90 × 32 mm, 0.30 kg format for field inspections.
- PoE and auxiliary outputs: 48 V PoE up to 25 W, 12 V/3 A DC and 5 V/2 A USB for compatible devices.
- Copper cable TDR: Diagnosis of pairs, length and network cable parameters. Does not replace a fiber OTDR.
- Gigabit Ethernet and Wi-Fi: RJ45 10/100/1000 Mbps port and 2.4 GHz Wi-Fi with signal and channel analyzer.
- CVBS and PTZ control: PAL/NTSC BNC video input and RS485 communication for compatible equipment.
- Service records: Screenshots, video recording and playback to document diagnostics.
- Version without OTDR: Focused on IP CCTV and networks. Optional functions are quoted separately.

Technical specifications

Parameter	Specification
KONGIA model	KG-CT-IPC-X450
Equipment type	Handheld tester for IP cameras, CCTV and network cabling

Technical specifications

Parameter	Specification
Standard configuration	IP up to 8K + CVBS + CVI 8 MP + TVI 8 MP + AHD 8 MP; without OTDR
Screen	4.5-inch capacitive touchscreen; 960 × 540 pixels
H.265/H.265+ decoding	Main-stream testing; H.265 up to 8K at 24 fps
H.264 decoding	Main stream up to 6K at 30 fps
Display	Camera streams are scaled to the screen resolution; compatibility depends on profile and firmware
Ethernet port	RJ45 10/100/1000 Mbps, auto-sensing
Wi-Fi	2.4 GHz; stated link speed up to 150 Mbps
Wi-Fi analysis	Network information, signal strength and channel assessment
IP cameras	ONVIF and supported manufacturer protocols; IP discovery and viewing
Camera configuration	Activation, IP address and parameter changes, subject to compatibility and permissions
Copper TDR test	Pair status, length, attenuation, reflection, impedance and delay skew
Wire map	Pair sequence and RJ45 wiring check; supports shielded cable
PoE output	48 V; stated maximum power 25 W
DC output	12 V; stated maximum current 3 A
USB output	5 V / 2 A
Test power	Temporary outputs for compatible equipment; check camera requirements and available power budget
CVBS analog video	1 BNC input; PAL/NTSC
PTZ control	RS485; more than 30 protocols stated by the manufacturer
Audio	1 audio input; testing and recording
Virtual IP camera	IPC signal simulation for NVR diagnostics
Network tools	IP scanning, ping, link discovery and port flashing
Recording	Screenshots, video recording and playback
Included HD coaxial video	CVI up to 8 MP + TVI up to 8 MP + AHD up to 8 MP
Optional functions	Tracing probe and voltage detection; not considered included in this base specification

Technical specifications

Parameter	Specification
Fiber OTDR	Not included; does not perform OTDR traces or splice-loss measurements
OPM / VFL	Not declared as included equipment for this SKU
Charging	USB Type-C; stated input 5 V / 2 A
Battery	Lithium polymer 7.4 V; 3200 mAh
Stated charging time	Approximately 4 hours
Stated runtime	Up to 7 hours of normal use; depends on functions, brightness and camera power supply
Languages	Includes Spanish and English; more than 10 languages stated
Auto sleep	Disabled or adjustable from 5 to 30 minutes
Operating temperature	−10 °C to +50 °C
Operating humidity	30 % to 90 %
Dimensions	155 × 90 × 32 mm
Stated weight	0.30 kg
Package contents	Kit contents, adapters and accessories to be confirmed in the quotation
Warranty	3 years

Applications

IP CCTV commissioning

Camera discovery, image checks and network configuration at the installation point.

Cabling maintenance

RJ45 pair checks, copper TDR diagnostics and Ethernet link checks.

Camera and NVR diagnostics

ONVIF, CVBS and CVI/TVI/AHD tests up to 8 MP, compatible PTZ control and IP camera simulation.

Wireless installations

Assessment of 2.4 GHz Wi-Fi signal strength and channels for compatible cameras.

Packaging & contents

KONGIA KG-CT-IPC-X450 handheld unit. The final list of charger, cables, probe, case and other accessories is defined in the quotation. Images are for visual reference; optional accessories are not considered included. Reference gallery adapted to KONGIA; the interface and final finish may vary with firmware and configuration.

Warranty

KONGIA 3-year warranty.

Declared compliance

RoHS · ISO 9001 · REACH · CE Compliant