

WANLUTECH E88

WANLUTECH E88 4K 12MP IP Camera Tester Instruction Manual

Model: E88

1. INTRODUCTION

The WANLUTECH E88 is a versatile 4K 12MP IP Camera Tester designed for professionals in security and surveillance. This device integrates multiple testing functions including PoE power output, IP camera testing, cable testing, network analysis, and SFP optical fiber module testing. Featuring an 8-inch touchscreen, the E88 simplifies installation, maintenance, and troubleshooting of CCTV systems.

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Video: Overview of WANLUTECH CCTV Tester capabilities and manufacturing process.

2. SAFETY INFORMATION

Before operating the WANLUTECH E88 tester, ensure to open the battery cover and remove the paper sheet isolating the battery. This is a critical step for initial device activation and safety. Always handle the device with care and avoid exposure to extreme temperatures or moisture.

3. PACKAGE CONTENTS

The WANLUTECH E88 package includes the following items:

- E88 CCTV Tester Unit
- Tool Bag
- Accessories Box
- Power Output Cable
- Safety Cord
- Audio Test Cable
- Charger
- Remote Kit










			
E88	Packing box	Tool bag	Accessories box
			
Power output cable	Safety cord	Audio test cable	Charger
			
Remote kit			

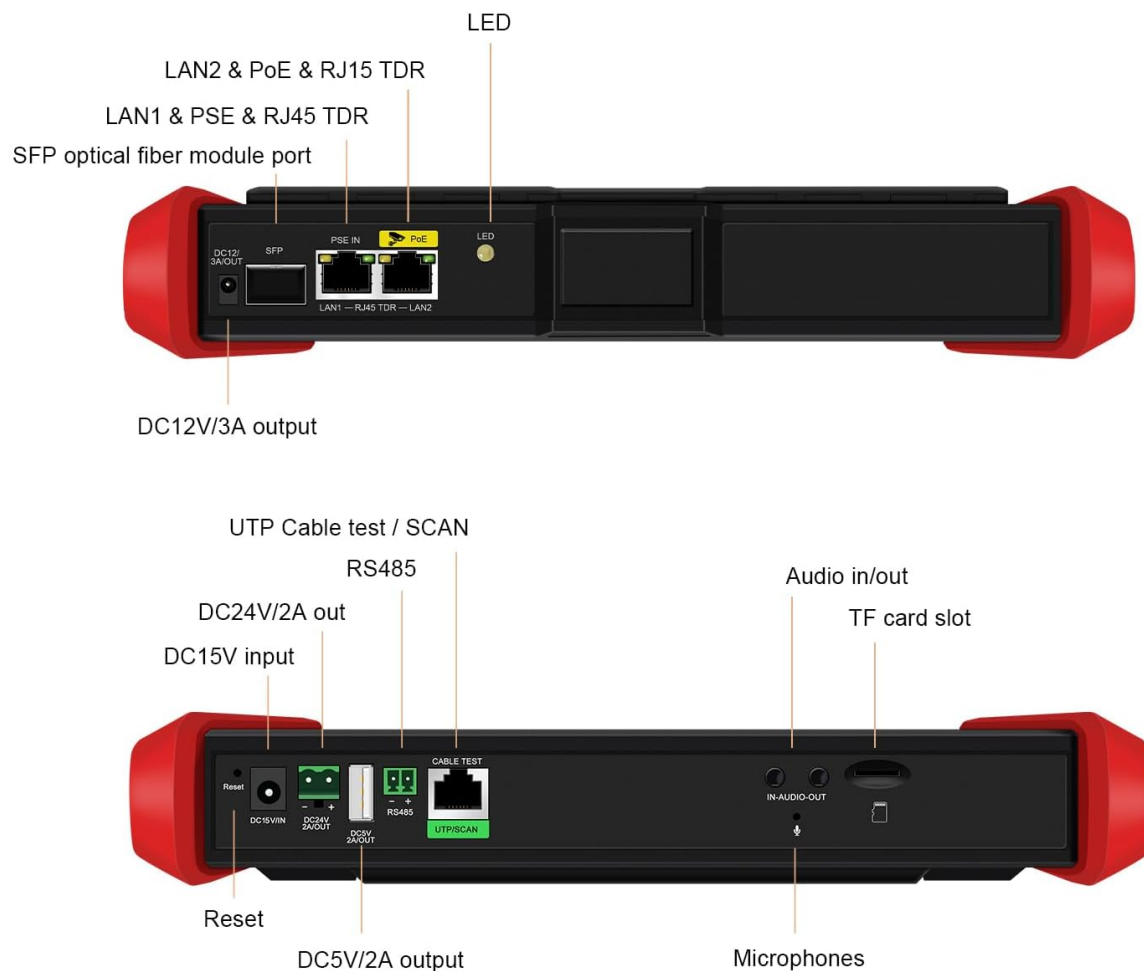
Image: Contents of the WANLUTECH E88 product package.

4. PRODUCT OVERVIEW

The E88 IP Camera Tester is equipped with an 8-inch IPS touchscreen and a robust interface for various testing scenarios. It features multiple ports for connectivity and testing, designed for efficiency and accuracy in the field.



Image: Front view of the WANLUTECH E88 IP Camera Tester.



Before using the tester, open the battery cover and remove the paper piece!!

Image: Detailed view of the E88 tester's ports and connections.

5. OPERATING INSTRUCTIONS

5.1. IP Camera Test

The E88 supports testing of IP cameras up to 4K 12MP resolution. It includes features like IP Discovery, Quick ONVIF, and specific tools for HIK and DH cameras.

- **IP Discovery:** Automatically searches for all network segment IP addresses and allows modification of the tester's local IP to match the camera's network segment.
- **Quick ONVIF:** Provides automatic login, live video display, and options to create test reports, modify IP, and change channel names.
- **HIK/DH Camera Test:** Supports batch activation, IP address modification, password changes, and factory reset for HIK and DH cameras.



5.2. Analog Camera Test

The E88 also functions as a multifunctional CCTV camera tester, supporting various analog camera types.

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Video: Demonstrating how to test 4-in-1 analog cameras (TVI/AHD/CVI/CVBS) using a CCTV tester.

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Video: Demonstrating a 5-in-1 CCTV tester supporting up to 4K IP and analog cameras.

5.3. PoE++ Power Output & PoE Detection

The E88 provides Power over Ethernet (PoE) capabilities for powering devices directly.

- **PoE++ Power Output:** Supports max 90W PoE power output (IEEE 802.3af/at/bt standard) to temporarily power high-power PTZ cameras or other compatible devices. DC15V power input.
- **PoE Detection:** Measures PoE switch or PSE power supply voltage and cable connection status.



Image: PoE++ Power Output and PoE Detection features.

6. CABLE TESTING FUNCTIONS

The E88 offers comprehensive cable testing features for various network and coaxial cables.

- **RJ45 Cable TDR Test:** Tests cable pair status, length (up to 180 meters), attenuation, reflectivity, impedance, and skew.
- **UTP Cable Tester:** Displays UTP cable connection status and detects near-end, mid-end, and far-end fault points of the RJ45 cable plug.
- **Cable Length Test:** Measures breakpoint position (open circuit status) for BNC, RJ45, and RJ11 cables, up to 3000 meters.



Image: Cable testing interfaces including TDR, length, and UTP tests.

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Video: Demonstration of UTP Cable Test and Cable Tracer functionality.

7. NETWORK TOOLS & SFP OPTICAL FIBER MODULE PORT

The E88 provides a suite of network diagnostic tools and supports optical fiber testing.

- **Network Tools:** Includes Ping, IP Scan, DHCP server, PPPOE, Trace Route, Port Flash, LLDP, and Link Monitor for comprehensive network analysis.
- **SFP Optical Fiber Module Port:** Allows insertion of SFP optical fiber modules for testing optical fiber networks, including switches, routers, firewalls, network cards, and transceivers. *Note: SFP optical fiber module is not included.*



Image: Network Tools and WiFi Analyzer interfaces.



Image: SFP Optical Fiber Module Port functionality.

8. ADDITIONAL FEATURES

- **WiFi Analyzer:** Analyzes WiFi signal strength, channel, and channel level. Can create a Wi-Fi hotspot.
- **FTP Server:** For copying and editing files from the SD card without needing an SD card reader.
- **Application Update:** Supports local and online application updates.
- **TesterPlay (Screen Projection):** An app that supports simultaneous display on the tester, PC, and mobile phone (Android version).

9. SPECIFICATIONS

Feature	Detail
Package Dimensions	12.6 x 11.69 x 3.94 inches
Item Weight	4.6 pounds
Item Model Number	E88
Batteries	1 Lithium Ion batteries required (included)
Manufacturer	GUANGZHOU WANGLU TECHNOLOGY CO.,LTD

Power Input	DC15V
Power Output	DC12V/3A, DC24V/2A, DC5V/2A

10. TROUBLESHOOTING

If you encounter a "Network Error" message when connecting a camera directly to the tester, it indicates an issue with the camera's IP address settings or a connection problem. Ensure the camera's IP address is correctly configured and the physical connection is secure.

11. SUPPORT

For any questions or technical assistance, please contact WANLUTECH customer support. We aim to respond to all inquiries within 12 hours.