



HD COMBINE TESTER (IP+ANALOG)
+DMM



RTA86

SPECIFICATIONS

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COAXIAL PTZ CONTROL TEST FUNCTION

Communication Interface	Video IN BNC interface
Communication Protocol	CVI protocol (dahua coax), AHD protocol (Pelco c) and TVI protocol (Hikvision)

485 PTZ CONTROL TEST FUNCTION

Communication Interface	RS485
Communication Protocol	More than 30 protocols, including Pelco-D/P, Samsung, Panasonic, Lilin and Yaan
Baud Rate	150, 300, 600, 1,200, 2,400, 4,800, 9,600 and 19,200bps

LED LIGHTING (FLASHLIGHT)

Head LED	2 x 35lm LED, wide angel
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TDR CABLE TEST FUNCTION

Cable Test	Testing the length of network cable (4 pairs). Resolution: 0.1 meter; Accuracy: 1 meter. The maximum length of the measured cable is 130-200meters (depending on the wire rod).
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POWER SUPPLY

Charger	12V/1.5A 5.5mm round-plug power supply
Battery	Equipped with two battery compartments One special lithium battery pack can be placed in each battery compartment, with a single capacity of 18.5Wh. The combined working time is about 10 hours (it also can work with a single battery).
Charging	12V/1.5A charging, Power: 18W,max. Charging time: 3~4 hours.
Power Saving	Can set the automatic switching of overtime and display the icon of battery level in real-time.

SYSTEM PARAMETERS

Display Screen	7.0" TFT 1920*RGB*1200 (resolution),16.7M (color), Backlight brightness adjustable
Operation Method	Power button, Master control keyboard with 13 keys, Full-fit technology capacitive Multi- touch screen (input)
Operation Settings	Chinese/English interface, user optional
Automatic Standby	Disabled/5-60 minutes
Keyboard Tone	Enabled/ Disabled

WORKING ENVIRONMENT AND SPECIFICATIONS

Working Temperature	-10°C~+55°C
Working Humidity	30%~90%
Outline Dimensions	236.5x133.4x45.4mm

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MODEL	RTA86
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IP CAMERA TEST FUNCTION

IPC Protocol	ONVIF, RTSP, RTP
Ethernet Test	10M/100M/1G Ethernet link detection; Ethernet loop detection; DHCP client and server; Ethernet traffic detection, data link quality detection.
IPC Test	Discovering the device, real-time video, camera configuration, PTZ test, discovering ONVIF device cross the network segment.
IPC Image Test	H265/H264 decoding, support 4K@30FPS, local zoom preview (at 8 levels).
Interface	Dual-port RJ45 Ethernet 1Gbps, Support serial connection;

WIFI TEST FUNCTION

WIFI Test	Support 2.4G and 5G frequency band, WIFI connection, WIFI list, WIFI information detection, delay detection, test of packet loss rate
Spectrum Test	Support 2.4G and 5G frequency band, spatial frequency band signal scanning and detection, and spatial noise (interference) signal detection.
Signal Monitoring	Support 2.4G and 5G frequency band quick monitoring of signal change, refresh frequency: 1-10Hz.
Antenna Type	External foldable dual antenna. Dual band Dipole omnidirectional antenna

POE TEST FUNCTION

PD Test	The tester receives the power. 802.3at; power supply voltage detection
PSE test	The tester supplies the power. 802.3at;25.5Wmax, PD actual powerdetection

ANALOG VIDEO TEST FUNCTION

Video Format	NTSC/PAL/HD-CVI3.0 standard /AHD3.0 standard/ HD-TVI3.0 standard
Video Signal	1Vpp
Video Input/Output	Video IN BNC input, Video OUT BNC output
Video Digital Zoom	Support the zoom at 8 levels
Video Signal Generator	Sending PAL/NTSC video test signal, sending CVI, AHD and TVI video test signal (720P/1080P).

HDMI SIGNAL TEST FUNCTION

HDMI Input	Can receive 720P 25/30/50/60Fps, 1080P 25/30Fps input signals for display
HDMI Output	Can output various formats of test images (720P 25/30/50/60Fps, 1080P 25/30Fps)

12V POWER OUTPUT

Power Output	12V/2A output Interface: Round, external diameter 4mm; Internal needle: 1.6mm
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AUDIO TEST

Audio Test	1 x Audio signal input
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TECHNICAL PARAMETERS

DIGITAL MULTI-METER FUNCTION

ITEM	MEASURING RANGE	RANGE OF READINGS	MINIMUM RESOLUTION	ACCURACY
DC Voltage (DCV)	2V, 20V, 200V, 600V	±19999	0.1mV	±0.1%+8*
AC Voltage (ACV) (True RMS)	20V, 200V, 600V	±1999	1V	±1.2%+3
DC Current	20mA, 200mA, 2000mA	±19999	1uA	±0.1%+8*
AC Current (True RMS)	20mA, 200mA, 2000mA	±1999	1uA	±1.2%+3
Resistor	2KΩ, 20KΩ, 200KΩ, 2MΩ, 20M	0~19999	0.1Ω	±0.1%+8*
Capacitance	2nF, 20nF, 200nF, 2uF, 20uF, 200uF, 2mF, 20mF	0~1999	1pF	±4%+5
Diode Forward Voltage Drop	2V	0~19999	0.1mV	±0.1%+20
ON/OFF Test	2KΩ	0~19999	0.1Ω	±0.1%+20

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TECHNICAL PARAMETERS OF LASER POWER METER

Type of Detector	InGaAs
Calibration Wavelength	1625nm, 1550nm, 1480nm, 1310nm, 1300nm and 850nm
Power Measurement Range (dBm)	-70 ~ +10 dBm
Measurement Accuracy	<±0.3dB (-10dBm@22°C) <±0.5dB (Full-scale range @ 22°C)
Display Resolution	Linear display: 0.1%, Logarithmic display: 0.01dBm
Connector	Movable FC/PC

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