

Code: CS-R3-50H

OPTICAL REFLECTOMETER (OTDR) WITH CCTV TESTER **CS-R3-50H**

Optical reflectometer (OTDR) with a multi-functional AHD, HD-CVI, HD-TVI, IP camera tester with many additional functions necessary during initialization CCTV and fiber optic installations.



Optical time-domain reflectometer (OTDR):	<ul style="list-style-type: none"> • Optical wavelength : 1310 nm / 1550 nm, • Dynamic range : 28/26 dB • Wide measuring range ≤ 105 km • Accuracy : $\pm (1 \text{ m} + 5 \times 10^{-5} \times \text{distance} + \text{sampling interval})$ • Connectors : SC • Measurement duration : 5 s, 10 s, 15 s, 30 s, 1 min, 2 min, 3 min
Optical power measurement:	<p>Optical power measurement in fiber optic networks (ST and SC adapters)</p> <p>Optical wavelength : 850, 1300, 1310, 1490, 1550, 1625 nm</p> <p>Range : -70 ... +10 dBm</p>
VLS (VFL) - Visual Fault Locator of fiber cable:	<p>Laser LD, 650 nm, 10 mW</p> <p>Range 8 km</p>
Video standard:	<ul style="list-style-type: none"> • AHD - 8 Mpx, • HD-CVI - 8 Mpx, • HD-TVI - 8 Mpx, • TCP/IP - 4K, • CVBS - PAL / NTSC
Display:	5.4 " Retina - capacitive touch screen, 1920 x 1152 px
Video input:	<ul style="list-style-type: none"> • 1 pcs AHD / HD-CVI / HD-TVI / CVBS - BNC socket, • 1 pcs HDMI, 60 fps 4K • 1 pcs VGA



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Video output:	—
Port LAN:	2 pcs - PoE cameras and switches support
Audio input:	1 pcs Mini Jack
Audio output:	1 pcs Mini Jack
Video signal level meter:	—
Video signal generator:	—
Serial ports:	RS-485
Protocols:	Support for over 30 RS485 protocols : Pelco-D, Pelco-P, YAAN, YAAN-O, YAAN-1, SAMSUNG, PANASONIC, Lilin-FAST, Lilin-MLP2, MOLYNX, MINKING A01, Fastrax, CBC, LC-NEW, WV-CS850, SONY-EVI, LG-MULTIX, DAT-SD, VICON, Vcltp, DH-YTC 06, Santachi, Bosch OSRD, TeleEye DM2, HD 600, Hikvision, KALATEL ASC, AD 168(M-B), SAMSUNG SPD, Siemens, Cohu, MINKING B01, ALEC
Baud rates:	150, 300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 115200 b/s
LAN (twisted-pair) or telephone cables testing:	UTP cables or phone lines connecting test with RJ-45 connectors
RS-485, lines test:	Data analysis from control device (the commands are displayed in hexadecimal)
Wi-Fi module:	✓
Identification the wire in the group of wires:	✓
Audio test:	✓
Digital multimeter:	—
TDR reflectometer:	Detecting and locating a cable break or short circuit, 600 m (max)
Operation as power source:	<ul style="list-style-type: none">• 5 V DC / 2 A from USB port• 12 V DC / 3 A• 24 V DC / 2 A• 48 V (PoE, LAN), 24 W
Battery power supply:	<ul style="list-style-type: none">• Li-Ion battery 5200 mAh• 12 V DC / 2 A (power adapter included)
Estimated battery operation time:	max. 10 hours
Operation:	Graphical menu - touch control and by using the buttons



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Main features:	<ul style="list-style-type: none">• Optical time-domain reflectometer (OTDR)• AHD cameras test• HD-CVI cameras test• HD-TVI cameras test• PAL/NTSC cameras test• IP cameras test - Supported image compression methods : H.265, H.264, MJPEG• Searching and view of IP cameras compatible with Onvif• Motor units and PTZ (Speed Dome) cameras control• IP cameras view from embedded applications - DH test tool, Hik test tool, UNV Test Tool, HuaWei Tool, TP-Link tool• EZView• Embedded Internet browser - Google Chrome• LAN connections monitoring• IP addresses scanner• PING - test the link using ICMP packets• Detection of the connected port in switch• LAN (twisted-pair) cables testing• The Cable tracer application - easy cable location in a disordered bundle• PoE cameras and switches support• PoE power meter• DC 5V / 12V / 24V / 48V power source• TDR reflectometer• Optical power meter• VLS (VFL) - Visual Fault Locator of fiber cable• Data monitor - serial port data analysis RS-485• Audio test• Hotspot - Wi-Fi• Playback the records• VLC Media Player application installed - the ability to play multimedia files in many popular formats (.mp3, .mp4, .avi, .mpeg and others)• Calculator• Quickoffice package installed - creation and reading of .docx text documents, .xlsx spreadsheets and .pptx multimedia presentations• Flashlight built-in• The ability to change the display theme and background• Android 9
Operation temp:	-10 °C ... 50 °C
Permissible relative humidity:	30 % ... 90 %
Weight:	0.87 kg
Dimensions:	212 x 148 x 49 mm
Supported languages:	Polish, English, Bulgarian, Czech, French, Greek, Spanish, German, Portuguese, Russian, Turkish, Italian
Guarantee:	2 years

