

Code: CS-R5-50H

## OPTICAL REFLECTOMETER (OTDR) WITH CCTV TESTER **CS-R5-50H**

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



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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, 180 m (max)
Operation as power source:	<ul style="list-style-type: none"><li>• 5 V DC / 2 A from USB port</li><li>• 12 V DC / 3 A</li><li>• 24 V DC / 2 A</li><li>• 48 V (PoE, LAN), 24 W</li></ul>
Battery power supply:	<ul style="list-style-type: none"><li>• Li-Ion battery 5200 mAh</li><li>• 12 V DC / 2 A (power adapter included)</li></ul>
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"><li>• Optical time-domain reflectometer (OTDR)</li><li>• AHD cameras test</li><li>• HD-CVI cameras test</li><li>• HD-TVI cameras test</li><li>• PAL/NTSC cameras test</li><li>• IP cameras test - Supported image compression methods : H.265, H.264, MJPEG</li><li>• Searching and view of IP cameras compatible with Onvif</li><li>• Motor units and PTZ (Speed Dome) cameras control</li><li>• IP cameras view from embedded applications - DH test tool, Hik test tool, UNV Test Tool, HuaWei Tool, TP-Link tool</li><li>• EZView</li><li>• Embedded Internet browser - Google Chrome</li><li>• LAN connections monitoring</li><li>• IP addresses scanner</li><li>• PING - test the link using ICMP packets</li><li>• Detection of the connected port in switch</li><li>• LAN (twisted-pair) cables testing</li><li>• The Cable tracer application - easy cable location in a disordered bundle</li><li>• PoE cameras and switches support</li><li>• PoE power meter</li><li>• DC 5V / 12V / 24V / 48V power source</li><li>• TDR reflectometer</li><li>• Optical power meter</li><li>• VLS (VFL) - Visual Fault Locator of fiber cable</li><li>• Data monitor - serial port data analysis RS-485</li><li>• Audio test</li><li>• Hotspot - Wi-Fi</li><li>• Playback the records</li><li>• VLC Media Player application installed - the ability to play multimedia files in many popular formats (.mp3, .mp4, .avi, .mpeg and others)</li><li>• Calculator</li><li>• Quickoffice package installed - creation and reading of .docx text documents, .xlsx spreadsheets and .pptx multimedia presentations</li><li>• Flashlight built-in</li><li>• The ability to change the display theme and background</li><li>• Android 10</li></ul>
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

