Warning!

Please read the user manual included in this work as it contains important information related with safety of installation and use of the device.
Only persons who read the user manual may use the device.
The user manual must be kept because it may be required in the future. The device is to be used exclusively for purposes specified in this user manual.
The device must be unpacked prior to starting-up. After removing the packaging make sure the device is in working order.
If the product has defects, it should not be used until it is repaired.
The product is intended for use at home and commercial use and may not be used for other than intended use.
The manufacturer is not liable for damages resulting from not adhering to the rules contained in the user manual, therefore, we recommend to follow the aforementioned safety rules for operation and maintenance of the device. In this way you will ensure yourself safety and avoid causing damage to the device.
The manufacturer and the supplier are not liable for losses or damages arising out of the product, including financial or intangible losses, loss of profits, income, data, pleasure from use of the product or other products related with it - indirect, incidental or consequential loss or damage. The above provisions apply whether the loss or damage concerns:
1. Deterioration of quality or the lack of operation of the products or products related with it due to damage as well as the lack of access to the product when it is undergoing repair, which results in stoppage the loss of user's time or a break in business activity;
2. Improper results of operation of the product or products related with it;
3. It applies to losses and damages according to any legal category, including negligence and other losses, termination of a contract, expressed or implied guarantee and strict liability (even if the manufacturer or the supplier was notified about the possibility of occurrence of such damages).

Safety measures:
Particular attention at designing was directed to quality standards of the device where ensuring safety of operation is the most important factor.
The device must be secured against contact with caustic, staining and viscous fluids.

The device was designed in such a way that it restarts operation when power supply is restored after a break.
Attention! We recommend using protections to further protect the device from possible overvoltages in installations. Surge protectors are effective protection against accidental pass to the device voltages higher than the rated. Damages caused by pass the voltages higher than specified in manual, are not under warranty.
Turn off the device before transporting it.
Prior to connecting the device to a power source check whether the supplied voltage is consistent with rated voltage specified in the user manual.

Proper product disposal:
A marking of a crossed out waste bin indicates that the product may not be disposed together with other household waste in the entire EU. To avoid possible damage to the natural environment of health due to uncontrolled waste disposal, therefore, it should be handed over for recycling, propagating in this way sustainable use of natural resources.
To return a worn-out product, use a collection and disposal system of this type of equipment or contact a seller from whom it was purchased. He will then be recycled in an environmentally-friendly way.

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User Manual

Code: ST-W7-70/W

MULTI-FUNCTIONAL CCTV TESTER **ST-W7-70/W**

Multi-functional tester of AHD, HD-CVI, HD-TVI, IP cameras, analog cameras, Speed Dome (PTZ) cameras has implemented many additional functions, necessary during initialization of the CCTV installation system.



Video standard:	• AHD - 8 Mpx, • HD-CVI - 8 Mpx, • HD-TVI - 8 Mpx, • TCP/IP - 4K, • CVBS - PAL / NTSC
Display:	7 " - capacitive touch screen, 1920 x 1200 px
Video input:	• 1 pcs AHD / HD-CVI / HD-TVI / CVBS - BNC socket • 1 pcs HDMI - 720p / 1080p @ 25/30 fps
Video output:	• 1 pcs CVBS - BNC socket, • 1 pcs HDMI
Port LAN:	2 pcs - PoE cameras and switches support
Audio input:	1 pcs Mini Jack
Audio output:	–
Video signal level meter:	–
Video signal generator:	• Test signal generator • Eight color-bars generating in multi-tv-system modes
Serial ports:	RS-485
Protocols:	Support for over 30 RS485 protocols : DAHUA COAX, Pelco-C, AHD-ACP, TIB, HCCP, MINKING B01, ALEC, Pelco-P, Pelco-D, YAAN, YAAN-O, SAMSUNG, PANASONIC, Lilin-FAST, Lilin-MLP2, MOLYNX, MINKING A01, Fastrax, CBC, LC-NEW, WV-CS850, SONY-EVI, LG-MULTIX, DAT-SD, PEARMAIN, VICON, Vcltp, DH-YTC 06, SANYO-SSP, Santachi, Bosch OSRD, TeleEye DM2, HD 600, Hikvision, KALATEL 304, KALATEL ASC, AD 168(M-B), AD MANCHESTER

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Baud rates:	150, 300, 600, 1200, 2400, 4800, 9600, 19200 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:	–
Optical power measurement:	–
VLS (VFL) - Visual Fault Locator of fiber cable:	–
TDR reflectometer:	Detecting and locating a cable break (UTP only)
Operation as power source:	• 12 V DC / 2 A • Each of the batteries supplying the device can be used as an independent power source 12 V DC / 1 A after removing from the tester • 5 V DC / 2 A from USB port • 48 V (PoE, LAN), 24 W
Battery power supply:	• 2 x Li-Ion battery 7.4 V / 2500 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
Main features:	• 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 • Test signal generator • LAN connections monitoring • IP addresses scanner • PING - test the link using ICMP packets • LAN (twisted-pair) cables testing • PoE cameras and switches support • PoE power meter • DC 5V / 12V / 48V power source • Data monitor - serial port data analysis RS-485 • Hotspot - Wi-Fi • Playback the records
Operation temp:	-10 °C ... 55 °C
Permissible relative humidity:	30 % ... 90 %
Weight:	0.88 kg
Dimensions:	235 x 133 x 43 mm
Supported languages:	Polish, English, Spanish, French, German, Turkish, Russian, Italian
Guarantee:	2 years

Front panel:

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Top view:



Bottom view:



Bottom view:

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Rear view (place for batteries):



Main menu:

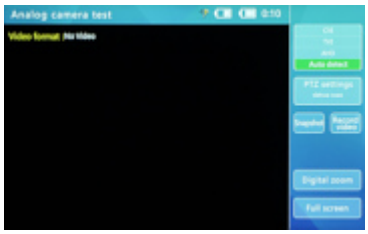


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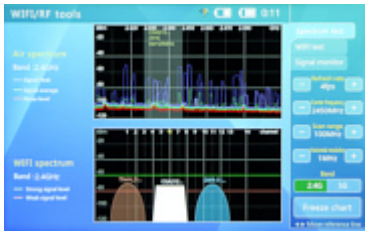












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Battery:



In the kit:



The tester with accessories housed in a handy bag:

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PACKAGE

Dimensions (L x W x H): 0x0x0 mm	Gross Weight: 0 kg

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