

Code: CS-H7F-70HQ

## MULTI-FUNCTIONAL CCTV TESTER **CS-H7F-70HQ**

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



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| Video standard:           | <ul style="list-style-type: none"> <li>• AHD - 4 Mpx,</li> <li>• HD-CVI - 4 Mpx,</li> <li>• HD-TVI - 5 Mpx,</li> <li>• HD-SDI / EX-SDI</li> <li>• TCP/IP - 4K,</li> <li>• CVBS - PAL / NTSC</li> </ul>                                                                                                                                                            |
| Display:                  | 7 " - capacitive touch screen, 1280 x 800 px                                                                                                                                                                                                                                                                                                                      |
| Video input:              | <ul style="list-style-type: none"> <li>• 1 pcs AHD / HD-CVI / HD-TVI / CVBS - BNC socket</li> <li>• 1 pcs HD-SDI / EX-SDI - BNC socket</li> <li>• 1 pcs HDMI</li> </ul>                                                                                                                                                                                           |
| Video output:             | <ul style="list-style-type: none"> <li>• 1 pcs CVBS - BNC socket</li> <li>• 1 pcs HDMI</li> </ul>                                                                                                                                                                                                                                                                 |
| 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: | mV (for PAL) IRE (for NTSC)                                                                                                                                                                                                                                                                                                                                       |
| Video signal generator:   | <ul style="list-style-type: none"> <li>• Test signal generator</li> <li>• Generating eight color bars in PAL / NTSC standards</li> <li>• It is possible to generate a blue or black screen</li> </ul>                                                                                                                                                             |
| 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 |

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| 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, RS-232 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:                              | Measurement : voltage, current, resistance, continuity test, diode test, electrical capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Optical power measurement:                       | Optical power measurement in fiber optic networks (ST and SC adapters)<br>Optical wavelength : 850, 1300, 1310, 1490, 1550, 1625 nm<br>Range : -70 ... +10 dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| VLS (VFL) - Visual Fault Locator of fiber cable: | Laser LD, 650 nm, 10 mW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| TDR reflectometer:                               | Detecting and locating a cable break (coax or UTP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Operation as power source:                       | <ul style="list-style-type: none"> <li>• 12 V DC / 2 A - 2x Power socket</li> <li>• 5 V DC / 2 A from USB port</li> <li>• 48 V (PoE, LAN), 24 W</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Battery power supply:                            | <ul style="list-style-type: none"> <li>• Battery 5400 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Main features:                                   | <ul style="list-style-type: none"> <li>• AHD cameras test</li> <li>• HD-CVI cameras test</li> <li>• HD-TVI cameras test</li> <li>• HD-SDI 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 - iVMS-4500 HD, EZView, gDMSS HD Lite, XMEye</li> <li>• Embedded Internet browser - Google Chrome</li> <li>• Test signal generator</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>• PoE cameras and switches support</li> <li>• PoE power meter</li> <li>• DC 5V / 12V / 48V power source</li> <li>• Identification the wire in the group of wires</li> <li>• TDR reflectometer</li> <li>• Optical power meter</li> <li>• Digital Multimeter</li> <li>• Data monitor - serial port data analysis RS-485</li> <li>• Audio test</li> <li>• Hotspot - Wi-Fi</li> <li>• Video recording to micro SD card with playback possibility - 8 GB included</li> <li>• Playback the records</li> <li>• Calculator</li> <li>• Flashlight built-in</li> <li>• Ability to change menu display style (desktop style) : Lite / Normal</li> </ul> |



# DATA SHEET

|                                |                                                                                                               |
|--------------------------------|---------------------------------------------------------------------------------------------------------------|
| Operation temp:                | -10 °C ... 50 °C                                                                                              |
| Permissible relative humidity: | 30 % ... 90 %                                                                                                 |
| Weight:                        | 0.97 kg                                                                                                       |
| Dimensions:                    | 242 x 156 x 45 mm                                                                                             |
| Supported languages:           | English, Chinese Simplified, Chinese Traditional, French, Spanish, Japanese, Korean, Polish, Russian, Italian |
| Guarantee:                     | 2 years                                                                                                       |