

Code: BCS-TIP8501IR-AI

## IP VANDALPROOF CAMERA **BCS-TIP8501IR-AI** - 5 Mpx 2.7 ... 13.5 mm - MOTOZOOM

IP camera with efficient H.264 / H.265 image compression algorithm for clear and smooth video streaming at maximal resolution of 5 MPx.

The used motozoom lens with 2.7 ... 13.5 mm focal length allows to remote view angle adjustment. PoE powering possibility, compatible with the 802.3af standard makes the device more universal and easier to install. The device is equipped with ePoE technology which enables transmission up to 800 m at a speed of 10 Mb/s or 300 m at a speed of 100 Mb/s via cat. 5e twisted-pair.

Camera is according to IP67 Index of Protection norm.



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|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sensor:                   | 1/2.7 " Progressive Scan CMOS                                                                                                                                          |
| Matrix size:              | 5 Mpx                                                                                                                                                                  |
| Resolution:               | 2592 x 1944 - 5 Mpx ,<br>2688 x 1520 - 4 Mpx ,<br>2560 x 1440 - 3.7 Mpx ,<br>2304 x 1296 - 3 Mpx ,<br>1920 x 1080 - 1080p<br>1280 x 960 - 1.3 Mpx<br>1280 x 720 - 720p |
| Lens:                     | 2.7 ... 13.5 mm - Motozoom                                                                                                                                             |
| View angle:               | <ul style="list-style-type: none"> <li>• 100 ... 28 ° (manufacturer data)</li> <li>• 97 ... 28 ° (our tests result)</li> </ul>                                         |
| Range of IR illumination: | 50 m                                                                                                                                                                   |
| S/N ratio:                | > 50 dB                                                                                                                                                                |
| Image compression method: | H.265+ / H.265 / H.264+ / H.264 / MJPEG                                                                                                                                |
| Main stream frame rate:   | 20 fps @ 5 Mpx<br>25 fps @ 4 Mpx                                                                                                                                       |
| Network interface:        | 10/100 Base-T (RJ-45)                                                                                                                                                  |



# DATA SHEET

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| ONVIF:                         | 18.06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Network protocols:             | HTTP, TCP, ARP, RTSP, RTP, UDP, RTCP, SMTP, FTP, DHCP, DNS, DDNS, PPPoE, IPv4/IPv6, SNMP, QoS, UPnP, NTP, P2P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Alarm inputs / outputs:        | 2 / 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Audio:                         | <ul style="list-style-type: none"><li>• External microphone input</li><li>• Audio output</li><li>• Bi-directional audio streaming support</li><li>• Audio detection</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Memory card slot:              | Micro SD memory cards up to 256GB support (possible local recording)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Max. number of on-line users:  | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Default IP address:            | 192.168.1.108                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Default admin user / password: | admin / -<br>The administrator password should be set at the first start                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Web browser access ports:      | 80, 37777                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| PC client access ports:        | 37777                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| WEB Server:                    | Built-in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Mobile client access ports:    | 37777                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Port ONVIF:                    | 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| RTSP URL:                      | rtsp://admin:haslo@192.168.1.108:554/cam/realmonitor?channel=1&subtype=0 - Main stream<br>rtsp://admin:haslo@192.168.1.108:554/cam/realmonitor?channel=1&subtype=1 - Sub stream                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Main features:                 | <ul style="list-style-type: none"><li>• WDR - 120 dB - Wide Dynamic Range</li><li>• 2-DNR, 3-DNR - Digital Noise Reduction</li><li>• EIS - Electronic Image Stabilization</li><li>• ROI - improve the quality of selected parts of image</li><li>• F-DNR (Defog) - Reduction of image noise caused by precipitation</li><li>• ICR - Movable InfraRed filter</li><li>• BLC/HLC - Back Light / High Light Compensation</li><li>• Motion Detection</li><li>• Configurable Privacy Zones</li><li>• Mirror - Mirror image</li><li>• Audio detection</li><li>• Heat map - the selection in the image by corresponding colors the areas with different traffic</li><li>• Intelligent Image Analysis : crossing the line (tripwire), intrusion, abandoned/missing object, classification of people and vehicles, detection of people gathering, face detection, advanced face recognition and search functions, counting people entering and leaving the area</li></ul> |
| Power supply:                  | <ul style="list-style-type: none"><li>• PoE (802.3af),</li><li>• ePoE,</li><li>• 12 V DC / 830 mA</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Power consumption:             | ≤ 9.9 W @ 12 V DC<br>≤ 10.9 W @ PoE (802.3af)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Operation temp:                | -30 °C ... 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Housing:                       | Compact, Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Color:                         | White + Black                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |



## DATA SHEET

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|------------------------|------------------|
| "Index of Protection": | IP67             |
| Vandal-proof:          | IK10             |
| Weight:                | 1.18 kg          |
| Dimensions:            | 273 x 95 x 95 mm |
| Supported languages:   | Polish, English  |
| Manufacturer / Brand:  | BCS              |
| Guarantee:             | 2 years          |