

Code: DS-2CD2385FWD-I(B)(2.8mm)

## IP CAMERA **DS-2CD2385FWD-I(B)(2.8mm)** - 8.3 Mpx Hikvision

IP camera with efficient H.264/H.265 image compression algorithm for clear and smooth video streaming at maximal resolution of 3840 x 2160 (8.3 MPx).

The range of IR illumination according to the manufacturer data, depends on outer conditions (visibility - air transparency, environment, wall colors ie. scene reflectance).

PoE powering possibility, compatible with the 802.3af standard makes the device more universal and easier to install.



|                           |                                                                                                                           |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Standard:                 | TCP/IP                                                                                                                    |
| Sensor:                   | 1/2 " Progressive Scan CMOS                                                                                               |
| Scanning system:          | Progressive                                                                                                               |
| Matrix size:              | 8.3 Mpx                                                                                                                   |
| Resolution:               | 3840 x 2160 - 8.3 Mpx ,<br>3072 x 1728 - 5.3 Mpx ,<br>2560 x 1440 - 3.7 Mpx ,<br>1920 x 1080 - 1080p<br>1280 x 720 - 720p |
| Lens:                     | 2.8 mm                                                                                                                    |
| View angle:               | <ul style="list-style-type: none"> <li>• 102 ° (manufacturer data)</li> <li>• 100 ° (our tests result)</li> </ul>         |
| Range of IR illumination: | 30 m                                                                                                                      |
| S/N ratio:                | > 50 dB                                                                                                                   |
| Memory card slot:         | Micro SD memory cards up to 128GB support (possible local recording)                                                      |
| Image compression method: | H.265+ / H.265 / H.264+ / H.264 / MJPEG                                                                                   |



# DATA SHEET

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Alarm inputs / outputs:        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Audio:                         | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Bitrate:                       | 32 ... 16384 kbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Main stream frame rate:        | 20 fps @ 8.3 Mpx<br>25 fps @ 5.3 Mpx                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Network interface:             | 10/100 Base-T (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Network protocols:             | TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, IEEE 802.1x, QoS, IPv6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| WEB Server:                    | Built-in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Max. number of on-line users:  | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ONVIF:                         | 16.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Main features:                 | <ul style="list-style-type: none"><li>• 3D-DNR - Digital Noise Reduction</li><li>• WDR - 120 dB - Wide Dynamic Range</li><li>• ROI - improve the quality of selected parts of image</li><li>• EXIR - high-efficiency infrared LEDs technology, which evenly covers the whole plan of both central vantage points of the scene as well as the corners</li><li>• ANR - Automatic Network Replenishment allows to save image to the card when the network connection with DVR is break (network failure) and next synchronize its</li><li>• Anti-Flicker - The technology eliminates the tiring eyes flickering image effect</li><li>• RESET button</li><li>• BLC - Back Light Compensation</li><li>• Possibility to change the resolution, quality and bit rate</li><li>• Motion Detection</li><li>• Configurable Privacy Zones</li><li>• Mirror - Mirror image</li><li>• Intelligent Image Analysis : crossing the line (tripwire), intrusion, abandoned/missing object, face detection</li></ul> |
| Mobile phones support:         | Port no.: 8000 or access by a cloud (P2P)<br>• Android: Free application <a href="#">iVMS-4500</a> or <a href="#">Hik-Connect</a><br>• iOS (iPhone): Free application <a href="#">iVMS-4500</a> or <a href="#">Hik-Connect</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Default IP address:            | 192.168.1.64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Default admin user / password: | admin / -<br>The administrator password should be set at the first start                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Web browser access ports:      | 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| PC client access ports:        | Port no.: 8000 or access by a cloud (P2P) - iVMS-4200 application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Mobile client access ports:    | 8000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Port ONVIF:                    | 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RTSP URL:                      | <ul style="list-style-type: none"><li>• Main stream<br/>rtsp://192.168.1.64:554/Streaming/Channels/101/ - RTSP - without authorization<br/>rtsp://user:password@192.168.1.64:554/Streaming/Channels/101/ - with authorization</li><li>• Sub stream<br/>rtsp://192.168.1.64:554/Streaming/Channels/102/ - RTSP - without authorization<br/>rtsp://user:password@192.168.1.64:554/Streaming/Channels/102/ - with authorization</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Power supply:                  | <ul style="list-style-type: none"><li>• PoE (802.3af),</li><li>• 12 V DC / 630 mA</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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| Power consumption:     | <ul style="list-style-type: none"><li>• <math>\leq 9\text{ W @ PoE}</math></li><li>• <math>\leq 7.5\text{ W @ 12 V DC}</math></li></ul>                                                                                                                    |
| Housing:               | Dome - Metal                                                                                                                                                                                                                                               |
| Color:                 | White                                                                                                                                                                                                                                                      |
| "Index of Protection": | IP67                                                                                                                                                                                                                                                       |
| Vandal-proof:          | —                                                                                                                                                                                                                                                          |
| Operation temp:        | -30 °C ... 60 °C                                                                                                                                                                                                                                           |
| Weight:                | 0.74 kg                                                                                                                                                                                                                                                    |
| Dimensions:            | Ø 138.5 x 128 mm                                                                                                                                                                                                                                           |
| Supported languages:   | Polish, English, Bulgarian, Croatian, Czech, Danish, Estonian, Finnish, French, Greek, Spanish, Dutch, Lithuanian, Latvian, German, Norwegian, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Swedish, Turkish, Hungarian, Vietnamese, Italian |
| Manufacturer / Brand:  | Hikvision                                                                                                                                                                                                                                                  |
| SAP Code:              | 311308405                                                                                                                                                                                                                                                  |
| Guarantee:             | <b>3 years</b>                                                                                                                                                                                                                                             |