

Code: DS-2CD2420F-IW(2.8MM)(PSU)

## IP CAMERA **DS-2CD2420F-IW(2.8MM)(PSU)** Wi-Fi - 1080p Hikvision

Net: **128.43 EUR** Gross: **128.43 EUR**

IP PTZ camera with efficient H.264 image compression algorithm for clear and smooth video streaming at max. resolution of 2 MPx.

Very easy operation via mobile devices (Android / iOS), allows the users for comfortable and remote operation, and also management of the camera. The device is ideal for eg. as a baby monitor, with mobile image view on smartphone and possibility of bi-directional audio transmission.

The used Wi-Fi module allows to remote communication with camera for max. distance up to 50 m. Attention: No possibility to switch off the AP Wi-Fi, by default Wi-Fi is set without security.



### SPECIFICATION

|                           |                                                                                            |
|---------------------------|--------------------------------------------------------------------------------------------|
| Standard:                 | TCP/IP                                                                                     |
| Sensor:                   | 1/2.8 " Progressive Scan CMOS                                                              |
| Matrix size:              | 2.1 Mpx                                                                                    |
| Resolution:               | 1920 x 1080 - 1080p ,<br>1280 x 960 - 1.3 Mpx ,<br>1280 x 720 - 720p                       |
| Lens:                     | 2.8 mm                                                                                     |
| View angle:               | • 106 ° (manufacturer data)<br>• 103 ° (our tests result)                                  |
| Range of IR illumination: | 10 m                                                                                       |
| Audio:                    | • Microphone built-in,<br>• Speakers built-in,<br>• Bi-directional audio streaming support |
| RS-485 interface:         | —                                                                                          |
| Alarm inputs / outputs:   | 1 / 1, PIR detector                                                                        |
| Image compression method: | • H.264<br>• MJPEG                                                                         |
| Bitrate:                  | 32 ... 8000 kbps - H.264                                                                   |
| Main stream frame rate:   | 25 fps @ 1080p                                                                             |
| ONVIF:                    | 2.6                                                                                        |

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network protocols:             | TCP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, QoS, IEEE 802.1x, IPv6, Bonjour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Network interface:             | 10/100 Base-T (RJ-45), Access Point Wi-Fi IEEE 802.11 b/g/n                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Mobile phones support:         | Port no.: 8000 or access by a cloud (P2P)<br><ul style="list-style-type: none"> <li>• Android: Free application <a href="#">iVMS-4500</a> or <a href="#">Hik-Connect</a></li> <li>• iOS (iPhone): Free application <a href="#">iVMS-4500</a> or <a href="#">Hik-Connect</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Default IP address:            | DHCP or 192.168.1.64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Default admin user / password: | admin / -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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>                                                                                                                                                                                                                                                                 |
| Memory card slot:              | Micro SD memory cards up to 128GB support (possible local recording)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Main features:                 | <ul style="list-style-type: none"> <li>• Wi-Fi module - IEEE 802.11 b/g/n, Range : 50 m (open area)</li> <li>• D-WDR - Wide Dynamic Range</li> <li>• 3D-DNR - Digital Noise Reduction</li> <li>• ROI - improve the quality of selected parts of image</li> <li>• Built-in Infra-Red illuminator enables night monitoring</li> <li>• ICR - Movable InfraRed filter</li> <li>• BLC/HLC - Back Light / High Light Compensation</li> <li>• Possibility to change the resolution, quality and bit rate</li> <li>• PIR detector - Built-in</li> <li>• Sharpness - sharper image outlines</li> <li>• Motion Detection</li> <li>• Intelligent Image Analysis : intrusion, crossing the line (tripwire)</li> </ul> |
| Power supply:                  | <ul style="list-style-type: none"> <li>• PoE (802.3af),</li> <li>• 12 V DC / 370 mA</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Power consumption:             | ≤ 4.5 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Weight:                        | 0.21 kg (with stand)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Dimensions:                    | 72 x 131 x 82 mm (with stand)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Operation temp:                | -30 ... 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Supported languages:           | English, Bulgarian, Chinese, Croatian, Czech, Danish, Estonian, Finnish, French, Greek, Spanish, Dutch, Japanese, Korean, Lithuanian, Latvian, German, Norwegian, Polish, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Swedish, Turkish, Hungarian, Vietnamese, Italian                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Manufacturer / Brand:          | Hikvision                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| SAP Code:                      | 300721492                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Guarantee:                     | <b>3 years</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## PRESENTATION

Front view:



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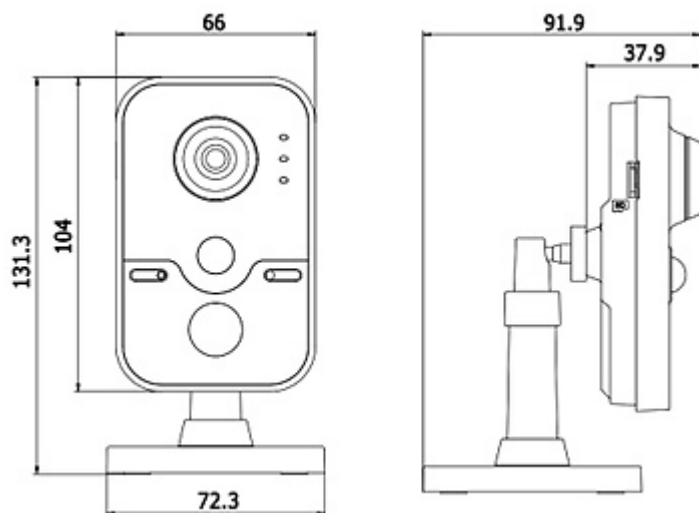
Side view:



Rear view:



Camera dimensions:



In the kit:



## OUR TESTS

Camera image at artificial illumination (about 30Lux):



Camera image at night conditions with internal built-in IR illuminator on:



Camera image at direct strong light opposite to camera:



## PACKAGE

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