### Bullet IP Camera
NVIP-2DN3131H/IR-1P

#### Functions
<table>
<thead>
<tr>
<th>Image</th>
<th>2 MPX CMOS sensor 1/2.7&quot; SmartSens</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Effective Pixels</td>
<td>1920 (H) x 1080 (V)</td>
</tr>
<tr>
<td>Min. Illumination</td>
<td>0.009 lx/F1.4 - color mode, 0 lx/F1.4 - B/W mode, 0 lx (IR on) - B/W mode</td>
</tr>
<tr>
<td>Electronic Shutter</td>
<td>auto: 1/25 s ~ 1/100000 s</td>
</tr>
<tr>
<td>Wide Dynamic Range (WDR)</td>
<td>yes</td>
</tr>
<tr>
<td>Digital Noise Reduction (DNR)</td>
<td>3D</td>
</tr>
<tr>
<td>Highlight Compensation (HLC)</td>
<td>yes</td>
</tr>
<tr>
<td>Backlight Compensation (BLC)</td>
<td>yes</td>
</tr>
<tr>
<td>Lens</td>
<td>varifocal, f=2.8 ~ 12 mm/F1.4</td>
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</tbody>
</table>

#### Compatibility
| Switching Type | mechanical IR cut filter |
| Switching Mode | auto, manual, time |
| Switching Level Adjustment | yes |
| Switching Schedule | yes |
| Visible Light Sensor | yes |

#### Key Features
- Resolution: 2 MPX
- D/N function - IR cut filter
- Lens: varifocal, f=2.8 ~ 12 mm/F1.4
- Min. Illumination from 0.009 lx (0 lx, IR on)
- IR LED, range up to 30 m

#### Dimensions
- Image Sensor: 2 MPX CMOS sensor 1/2.7" SmartSens
- Number of Effective Pixels: 1920 (H) x 1080 (V)
- Min. Illumination: 0.009 lx/F1.4 - color mode, 0 lx/F1.4 - B/W mode, 0 lx (IR on) - B/W mode
- Electronic Shutter: auto: 1/25 s ~ 1/100000 s
- Wide Dynamic Range (WDR): yes
- Digital Noise Reduction (DNR): 3D
- Highlight Compensation (HLC): yes
- Backlight Compensation (BLC): yes
- Lens: varifocal, f=2.8 ~ 12 mm/F1.4

#### Network
- Stream Resolution: 1920 x 1080 (Full HD), 1280 x 720 (HD), 640 x 480 (VGA), 320 x 240 (QVGA)
- Frame Rate: 30 fps for 1920 x 1080 (Full HD) and lower resolutions
- Multimode: 2 streams
- Number of Simultaneous Connections: max. 2
- Bandwidth: 9 MB/s in total
- Network Protocols Support: vTCP, SSH, IPv4, FTP, ONVIF, 3GPP, XIF, RTSP, UPnP, PPPoE, SMTP
- ONVIF Protocol Support: Profile S (ONVIF 2.3)
- Camera Configuration: from Internet Explorer browser, languages: Polish, English, Russian, and others
- Compatible Software: NMS
- Privacy Zones: 4
- Motion Detection: yes
- Region of Interest (ROI): 3
- Image Processing: 180° image rotation, sharpening, mirror effect
- Prealarm/Postalarm: 1 alarm, up to 120 s
- System Reaction to Alarm Events: e-mail with attachments, saving file on FTP server

#### IR LED
- LED Number: 36
- Range: 30 m
- Angle: 90°

#### Interfaces
- Network Interface: 1 x Ethernet - RJ-45 interface, 10/100 Mbps

#### Installation parameters
- Dimensions (mm): 87 (Ф) x 219 (L)
- Weight: 0.6 kg
- Degree of Protection: IP66 (details in the user’s manual)
- Enclosure: aluminium, white, fully cable managed wall mount bracket in set included, IK10 impact rating
- Power Supply: PoE, 12 VDC
- Power Consumption: 1.2 W, 4.2 W (IR on)
- Operating Temperature: -20°C ~ 50°C

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