



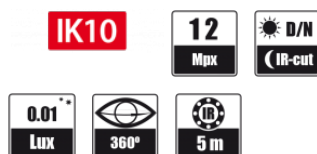
# IP 66 Vandal Proof IP Camera with Fisheye Lens

NVIP-12DN7021V/IR-1P

7000 PRO  
IP SERIES



## FUNCTIONS



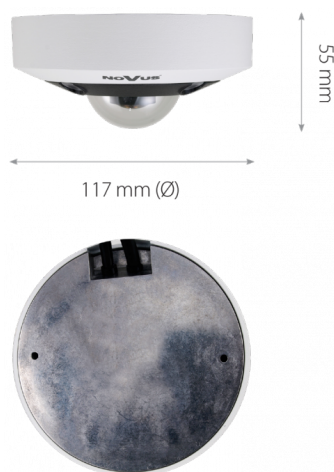
## COMPATIBILITY



## KEY FEATURES

- Resolution: 12 MPX
- Lens: fisheye,  $f=1.65 \text{ mm}/F2.8$
- D/N function - IR cut filter
- microSD card support
- Min. Illumination from 0.01 lx (0 lx, IR on)
- IR LED, range up to 5 m

## DIMENSIONS



| Image                              |                                                                                                                                                                                                                                             |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                       | 12 MPX CMOS sensor 1/1.7" SONY Exmor R STARVIS                                                                                                                                                                                              |
| Number of Effective Pixels         | 4072 (H) x 3046 (V)                                                                                                                                                                                                                         |
| Min. Illumination                  | 0.1 lx/F2.8 - color mode (DSS),<br>0.01 lx/F2.8 - B/W mode (DSS),<br>0 lx (IR on) - B/W mode                                                                                                                                                |
| Electronic Shutter                 | auto/manual: 1/1 s ~ 1/10000 s                                                                                                                                                                                                              |
| Digital Slow Shutter (DSS)         | up to 1 s                                                                                                                                                                                                                                   |
| Wide Dynamic Range (WDR)           | yes                                                                                                                                                                                                                                         |
| Digital Noise Reduction (DNR)      | 2D, 3D                                                                                                                                                                                                                                      |
| Lens                               |                                                                                                                                                                                                                                             |
| Lens Type                          | fisheye, $f=1.65 \text{ mm}/F2.8$                                                                                                                                                                                                           |
| Day/Night                          |                                                                                                                                                                                                                                             |
| Switching Type                     | mechanical IR cut filter                                                                                                                                                                                                                    |
| Switching Mode                     | auto, manual, time, external, light sensor, smart                                                                                                                                                                                           |
| Switching Level Adjustment         | yes                                                                                                                                                                                                                                         |
| Switching Schedule                 | yes                                                                                                                                                                                                                                         |
| Visible Light Sensor               | yes                                                                                                                                                                                                                                         |
| Network                            |                                                                                                                                                                                                                                             |
| Stream Resolution                  | 4000 x 3000, 3840 x 2160 (4K Ultra HD), 3072 x 2048, 3200 x 1800 (QHD+), 1920 x 1080 (Full HD), 1280 x 1024 (SXGA), 1280 x 720 (HD), 1024 x 768 (XGA), 800 x 600 (SVGA), 720 x 576 (D1), 640 x 480 (VGA), 352 x 288 (CIF), 320 x 240 (QVGA) |
| Frame Rate                         | 20 fps for 4000 x 3000,<br>30 fps for 3840 x 2160 (UHD),<br>60 fps for 1920 x 1080 (Full HD) and lower resolutions                                                                                                                          |
| Multistreaming Mode                | 4 streams                                                                                                                                                                                                                                   |
| Video/Audio Compression            | H.264, MJPEG/G.711, G.726, AAC, LPCM                                                                                                                                                                                                        |
| Number of Simultaneous Connections | max. 10                                                                                                                                                                                                                                     |
| Bandwidth                          | 70 Mb/s in total                                                                                                                                                                                                                            |
| Network Protocols Support          | HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, Multicast, FTP, DHCP, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PoE                                                                                                                            |
| Camera Configuration               | from Internet Explorer browser<br>languages: Polish, English, Russian, and others                                                                                                                                                           |
| Compatible Software                | NOVUS MANAGEMENT SYSTEM VSS                                                                                                                                                                                                                 |
| Other functions                    |                                                                                                                                                                                                                                             |
| Privacy Zones                      | 5                                                                                                                                                                                                                                           |
| Motion Detection                   | yes                                                                                                                                                                                                                                         |
| Audio Detection                    | yes                                                                                                                                                                                                                                         |
| Image Processing                   | 90° image rotation, 180° image rotation, sharpening, mirror effect                                                                                                                                                                          |
| Prealarm/Postalarm                 | up to 3 s or 20 frames/up to 9999 s or 20 frames                                                                                                                                                                                            |
| System Reaction to Alarm Events    | e-mail with attachment, saving file on FTP server, saving file on SD card, saving file on NAS server, alarm output activation, HTTP notification                                                                                            |
| IR LED                             |                                                                                                                                                                                                                                             |
| LED Number                         | 4                                                                                                                                                                                                                                           |
| Range                              | 5 m                                                                                                                                                                                                                                         |
| Angle                              | 95°                                                                                                                                                                                                                                         |
| Interfaces                         |                                                                                                                                                                                                                                             |
| Audio Input/Output                 | 1 x Jack (3.5 mm)/1 x Jack (3.5 mm)                                                                                                                                                                                                         |
| Alarm Input/Output                 | 1 (NO/NC)/1                                                                                                                                                                                                                                 |
| Network Interface                  | 1 x Ethernet - RJ-45 interface, 10/100/1000 Mbit/s                                                                                                                                                                                          |
| Memory Card Slot                   | microSD - capacity up to 64GB                                                                                                                                                                                                               |
| Installation parameters            |                                                                                                                                                                                                                                             |
| Dimensions (mm)                    | 117 (Ø) x 55 (H)                                                                                                                                                                                                                            |
| Weight                             | 0.5 kg                                                                                                                                                                                                                                      |
| Degree of Protection               | IP 66 (details in the user's manual)                                                                                                                                                                                                        |
| Enclosure                          | vandalproof IK10 impact rating aluminium, white                                                                                                                                                                                             |
| Power Supply                       | 12 VDC, PoE (IEEE 802.3af, Class 3)                                                                                                                                                                                                         |
| Power Consumption                  | 8.1 W,<br>10 W (IR illuminator on)                                                                                                                                                                                                          |
| Operating Temperature              | -10°C ~ 50°C                                                                                                                                                                                                                                |