# 12 MPX Vandal Proof IP Camera with Fisheye Lens

**NVIP-12F-6501**



## KEY FEATURES

- •Resolution: 12 MPX
- •Sensor resolution: 12 MPX
- •Lens: fisheye, f=1.65 mm/F2.0
- •active ambient noise cancellation
- •D/N function - IR cut filter
- •Video content analysis based on Deep Learning
- •microSD card support
- •two-way audio
- •Min. Illumination from 0.01 lx (0 lx, IR on)
- •IR LED, range up to 20 m

## COMPLIANCE

## DIMENSIONS




**The camera is dedicated to work with NOVUS 6000 series recorders. Detailed data can be found in the compatibility table available in the DOWNLOADABLE FILES tab.**

## IMAGE

| | |
|---|---|
| Image Sensor | 12 MPX CMOS sensor 1/1.7” SONY STARVIS |
| Number of Effective Pixels | 4072 (H) x 3046 (V) |
| Min. Illumination | 0.01 lx/F2.0 - color mode • 0 lx (IR on) - B/W mode |
| S/N Ratio | > 50 dB (AGC off) |
| Electronic Shutter | auto: 1/3 s ~ 1/100000 s |
| Digital Slow Shutter (DSS) | up to 1/3 s |
| Wide Dynamic Range (WDR) | yes |
| Digital Noise Reduction (DNR) | 3D |
| Defog Function (F-DNR) | yes |
| Highlight Compensation (HLC) | yes |
| Back Light Compensation (BLC) | yes |
| Reduction of image flicker (Antiflicker) | yes |

## LENS

| | |
|---|---|
| Lens Type | fisheye, f=1.65 mm/F2.0 |

## DAY/NIGHT

| | |
|---|---|
| Mode | day/night switching: mechanical IR cut filter |
| Switching Mode | auto, manual, time |
| Switching Level Adjustment | yes |
| Switching Delay | 2 ~ 6000 s |
| Visible Light Sensor | yes |

## NETWORK

| | |
|---|---|
| Stream Resolution | 4000 x 3000, 3840 x 2160 (4K Ultra HD), 3000 x 3000, 1920 x 1920, 2160 x 2160, 1440 x 1440, 1280 x 720 (HD), 960 x 960, 480 x 480 |
| Frame Rate | 25 fps for other resolutions |
| Multistreaming Mode | number of streams: 2 (main stream, sub stream) |
| Video/Audio Compression | H.264, H.264+, H.265, H.265+, MJPEG/G.711 |
| Number of Simultaneous Connections | max. 10 connections, (max. 20 streams in total) |
| Bandwidth | 90 Mb/s in total |
| Network Protocols Support | HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, P2P, HTML5, RTMP |

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| | |
|---|---|
| Camera Configuration | from Edge, Firefox, Chrome, Opera browser • languages: Polish, English, Russian, and others |
| Compatible Software | NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000 |
| Mobile applications | ipGO 6 (iPhone, Android) |

## VIDEO ANALYTICS

| | |
|---|---|
| Functions | line cross, zone entrance, zone exit, zone violation, object counting, multi loiter, heat map • the number and type of available image analysis functions vary depending on the camera installation method |

## OTHER FUNCTIONS

| | |
|---|---|
| Privacy Zones | 4 video mask type: single color |
| Motion Detection | yes |
| Region of interest (ROI) | 8 |
| Image Processing | "fisheye" view, panoramic view, "fisheye" view + 3 PTZ views, panoramic view + 3 PTZ views, 4 PTZ views, 180˚ image rotation, sharpening, mirror effect |
| Prealarm/Postalarm | up to 6 s/up to 120 s |
| System Reaction to Alarm Events | e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation |
| Restoring default settings | via web browser, using reset button, via NMS IPTool software |

## IR LED

| | |
|---|---|
| LED Number | 4 |
| Range | 20 m |
| Smart IR | yes (hardware support) |

## INTERFACES

| | |
|---|---|
| Video Output | BNC, 1.0 Vp-p, 75 Ohm |
| Audio Input/Output | 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in basic microphone and noise cancellation microphone |
| Alarm Input/Output | 1 (NO/NC)/1 relay type (max. 12VDC/300mA) |
| Network Interface | 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s |
| Memory Card Slot | microSD - capacity up to 256GB |

## INSTALLATION PARAMETERS

| | |
|---|---|
| Dimensions (mm) | 130 (Φ) x 46 (H) |
| Weight | 0.55 kg |
| Degree of Protection | IP 67 (details in the user's manual) |
| Enclosure | vandalproof, IK10 impact rating, aluminium, white • enclosure type: 6F |
| Power Supply | 12 VDC, PoE (IEEE 802.3af, Class 3) |
| Power Consumption | 5 W • 10 W (IR illuminator on) |
| Operating Temperature | -30°C ~ 60°C |
| Humidity | max. 95%, relative (non-condensing) |