

# NOVUS

## 12 MPX Vandal Proof IP Camera with Fisheye Lens

NVIP-12F-6501



### FUNCTIONS



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.

### KEY FEATURES

- 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

### DIMENSIONS



<b>Image</b>	
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
<b>Lens</b>	
Lens Type	fisheye, f=1.65 mm/F2.0
<b>Day/Night</b>	
Switching Type	mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
Switching Delay	2 – 6000 s
Visible Light Sensor	yes
<b>Network</b>	
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	15 fps for the following resolutions: 4000 x 3000, 3840 x 2160, 1280 x 720 (HD) 30 fps for other resolutions depending on the selected display mode (view), the number of available resolutions and/or frame rate for a given resolution may vary. For a detailed list, please refer to the user manual.
Multistreaming Mode	2 streams (main stream, sub stream)
Video/Audio Compression	H.264, H.264+, H.265, H.265+, MPEG/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/IPv6, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, P2P, HTML5, RTMP
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	N-VID6 (iPhone, Android)
<b>Other functions</b>	
Privacy Zones	4 video mask type: single color
Motion Detection	yes
Region of interest (ROI)	8
Video Content Analysis (VCA)	line cross, zone entrance, zone exit, zone violation, object counting, multi letter, heat map the number and type of available image analysis functions vary depending on the camera installation method
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
<b>IR LED</b>	
LED Number	4
Range	20 m
Smart IR	yes (hardware support)
<b>Interfaces</b>	
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 two microphones
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
<b>Installation parameters</b>	
Dimensions (mm)	130 (Ø) 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
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)