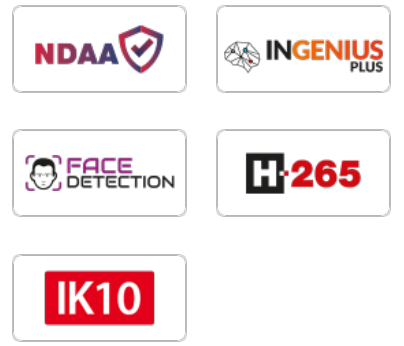
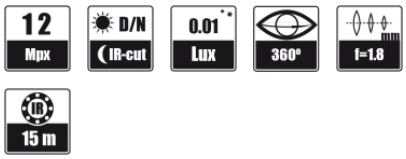
Vandal Proof IP Camera with Fisheye Lens

NVIP-12F-8501



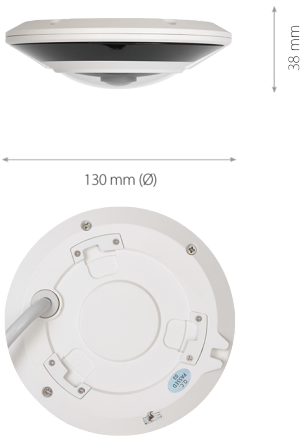
KEY FEATURES





- Resolution: 12 MPX
- Sensor resolution: 12 MPX
- Lens: fisheye, f=1.8 mm/F2.4
- built-in microphone
- D/N function - IR cut filter
- Video content analysis
- microSD card support
- two-way audio
- Min. Illumination from 0.01 lx (0 lx, IR on)
- IR LED, range up to 15 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	0.01 lx/F2.4 - color mode • 0 lx (IR on) - B/W mode
S/N Ratio	> 55 dB (AGC off)
Electronic Shutter	auto/manual: 1/5 s ~ 1/20000 s
Digital Slow Shutter (DSS)	up to 1/5 s
Wide Dynamic Range (WDR)	yes
Digital Noise Reduction (DNR)	2D, 3D
Defog Function (F-DNR)	yes
Highlight Compensation (HLC)	yes
Back Light Compensation (BLC)	yes

LENS

Lens Type	fisheye, f=1.8 mm/F2.4

DAY/NIGHT

Mode	day/night switching: mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
Switching Delay	0 ~ 180 s

NETWORK

Stream Resolution	4000 x 3000, 4000 x 2000, 3840 x 2160 (4K Ultra HD), 3000 x 3000, 3000 x 752, 2560 x 2560, 1920 x 1080 (Full HD), 1520 x 1520, 1280 x 960, 720 x 576 (D1), 720 x 720, 960 x 960, 640 x 640
Frame Rate	25 fps for each resolution
Multistreaming Mode	number of streams: 2
Video/Audio Compression	H.264, H.265, MJPEG/G.711, RAW_PCM
Number of Simultaneous Connections	max. 10
Bandwidth	60 Mb/s in total
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, Multicast, DHCP, DNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, SMTP, RTCP, ICMP, SSL/TLS, HTML5
ONVIF Protocol Support	Profile G/S/T/M
Camera Configuration	from Edge, Firefox, Chrome, Opera browser • languages: Polish, English, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS

VIDEO ANALYTICS

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Functions	line cross, zone violation, double line cross, loiter, wrong direction, face detection, pedestrian detection, heat map, objects distinguishing, people counting, vehicle detection, smart motion detection with objects distinguishing • image analysis functions are available when single-channel operation mode and the "Fisheye" option are selected in the "Fisheye" menu

OTHER FUNCTIONS

Security	IEEE 802.1X support, HTTPS support, IP and/or MAC address filtering, force change of default password
Privacy Zones	4 video mask type: single color
Motion Detection	yes
Region of interest (ROI)	8
Audio Detection	decline detection, rise detection
Image Processing	"fisheye" view, panoramic view, "fisheye" view + 3 PTZ views, 4 PTZ views
Prealarm/Postalarm	-/up to 86400 s
System Reaction to Alarm Events	e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, playback of the audio message
Restoring default settings	via web browser, using reset button

IR LED

LED Number	6
Range	15 m
Smart IR	yes (software support)

INTERFACES

Audio Input/Output	1 x RCA/1 x RCA, • built-in microphone
Alarm Input/Output	1 (NO/NC)/1
Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Memory Card Slot	microSD - capacity up to 1000GB

INSTALLATION PARAMETERS

Dimensions (mm)	130 (Φ) x 38 (H)
Weight	0.5 kg
Degree of Protection	IP 66 (details in the user's manual)
Enclosure	vandalproof, IK10 impact rating, aluminium, white • enclosure type: 8F2
Power Supply	12 VDC, PoE (IEEE 802.3af, Class 3)
Power Consumption	4 W • 10 W (IR illuminator on)
Operating Temperature	-30°C ~ 60°C
Humidity	max. 90%, relative (non-condensing)