

## Vandal Proof IP Camera with Fisheye Lens

### NVIP-12F-8001

8000 VSS IP



#### KEY FEATURES



- Resolution: 12 MPX
- Lens: fisheye, f=1.8 mm/F2.4
- D/N function - IR cut filter
- Video content analysis
- microSD card support
- Min. Illumination from 0.04 lx (0 lx, IR on)
- IR LED, range up to 10 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	0.04 lx/F2.4 - color mode • 0 lx (IR on) - B/W mode
Electronic Shutter	auto: 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

Switching Type	mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
Switching Delay	0 ~ 180 s
Switching Schedule	yes
Visible Light Sensor	yes

#### NETWORK

Stream Resolution	4000 x 3000, 4000 x 2000, 3840 x 2160 (4K Ultra HD), 3000 x 3000, 2560 x 2560, 1920 x 1080 (Full HD), 1280 x 960, 704 x 576, 720 x 720
Frame Rate	20 fps for 4000 x 3000 • 25 fps for 4000 x 2000 and lower resolutions
Multistreaming Mode	number of streams: 2
Video/Audio Compression	H.264, H.264 Smart, H.265, H.265 Smart, MJPEG/G.711, RAW_PCM
Number of Simultaneous Connections	max. 8
Bandwidth	30 Mb/s in total
Network Protocols Support	HTTP, TCP/IP, IPv4, UDP, HTTPS, Multicast, FTP, DHCP, DNS, NTP, RTSP, RTP, UPnP, IEEE 802.1X, PPPoE, SMTP, RTCP, SSL, ICMP, Unicast
Camera Configuration	from Internet Explorer browser • languages: Polish, English, Russian, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC

#### VIDEO ANALYTICS

# Vandal Proof IP Camera with Fisheye Lens

## NVIP-12F-8001

Functions tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi loiter, abnormal speed, converse, illegal parking

### OTHER FUNCTIONS

Privacy Zones	4
Motion Detection	yes
Region of interest (ROI)	8
Image Processing	180° image rotation, mirror effect
Prealarm/Postalarm	up to 5 MB/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

### IR LED

LED Number	6
Range	10 m
Angle	180°

### 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 128GB

### INSTALLATION PARAMETERS

Dimensions (mm)	162 (Φ) x 52 (H)
Weight	0.7 kg
Degree of Protection	IP 66 (details in the user's manual)
Enclosure	vandalproof IK10 impact rating aluminium, white poly-carbonate bubble • enclosure type: 8F1
Power Supply	12 VDC/24 VAC, PoE (IEEE 802.3af, Class 3)
Power Consumption	3.7 W • 9.5 W (IR illuminator on) • 5.7 W (heater on) • 11.5 W (IR and heater on)
Operating Temperature	-30°C ~ 60°C
Humidity	max. 90%, relative (non-condensing)
Built-in Heater/Fan	yes/no

The following functions are available from software version v3.5.0807.1004.89.0.32.3.6: Video Content Analysis (VCA), H.264 Smart, H.265 Smart, BLC.

Please keep in mind that due to the specific observation area of cameras with a fisheye lens, the effectiveness of the Video Content Analysis (VCA) function is higher in the central part of the scene and much lower on its edges.

From the software version v3.6.0807.1004.89.0.1.1.6 resolution 4096 x 2160 has been replaced by the resolution 4000 x 2000.