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	15 fps for the following resolutions: • 30 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, Klasa 3)
Power Consumption	5 W • 10 W (IR illuminator on)
Operating Temperature	-30°C ~ 60°C
Humidity	max. 95%, relative (non-condensing)