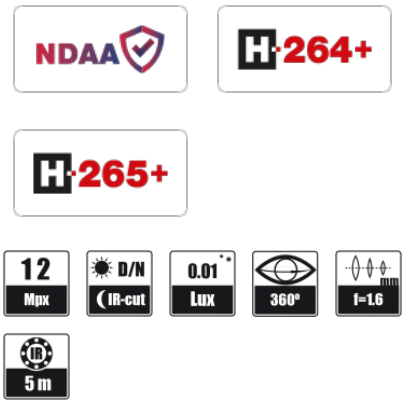
Vandal Proof IP Camera with Fisheye Lens

NVIP-12F-4201



KEY FEATURES



- Resolution: 12 MPX
- Lens: fisheye, f=1.6 mm/F2.0
- built-in microphone
- D/N function - IR cut filter
- microSD card support
- two-way audio
- Min. Illumination from 0.01 lx (0 lx, IR on)
- IR LED, range up to 5 m
- "Two way power" - when connected to a PoE switch, it allows to power the low power receiver from the camera's power socket

DIMENSIONS





The camera is dedicated to work with NOVUS 4000 series recorders. Detailed data can be found in the compatibility table available in the DOWNLOADABLE FILES tab.

IMAGE

Image Sensor	12 MPX CMOS sensor 1/2.3" OmniVision
Number of Effective Pixels	4096 (H) x 3072 (V)
Min. Illumination	0.016 lx/F2.0 - 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)	3D
Highlight Compensation (HLC)	yes
Back Light Compensation (BLC)	yes
Reduction of image flicker (Antiflicker)	yes

LENS

Lens Type	fisheye, f=1.6 mm/F2.0

DAY/NIGHT

Mode	day/night switching: mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Delay	1 ~ 36 s
Switching Schedule	yes
Visible Light Sensor	yes

NETWORK

Stream Resolution	4000 x 3000, 3000 x 3000, 2560 x 2560, 2160 x 2160, 1520 x 1520, 1280 x 960, 1080 x 1080, 720 x 720, 640 x 480 (VGA)
Frame Rate	15 fps for 4000 x 3000 • 25 fps for 3000 x 3000 and lower resolutions
Multistreaming Mode	number of streams: 3 (main stream, sub stream, third stream)
Video/Audio Compression	H.264, H.264+, H.265, H.265+, MJPEG/G.711
Number of Simultaneous Connections	max. 3 connections, (max. 30 streams in total)
Bandwidth	65 Mb/s in total
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, RTP, UPnP, SNMP, PPPoE, SMTP, P2P, HTML5
Camera Configuration	from Internet Explorer, Edge, Firefox, Chrome, Opera, Safari browser • languages: Polish, English, Russian, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, N Control 4000

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Mobile applications	ipGO 4 (iPhone, Android)

OTHER FUNCTIONS

Privacy Zones	4 video mask type: single color
Motion Detection	yes
Region of interest (ROI)	8
Audio Detection	decline detection, rise detection
Image Processing	mirror effect, vertical flip, horizontal flip
Prealarm/Postalarm	up to 5 s/up to 30 s
System Reaction to Alarm Events	e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification
Determent	audio signaling device (siren), built-in speaker (custom voice messages)
Restoring default settings	via web browser, using reset button

IR LED

LED Number	3
Range	5 m
Smart IR	yes (hardware support)

INTERFACES

Audio Input/Output	built-in microphone/speaker
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)	120 (Φ) x 55 (H)
Weight	0.5 kg
Degree of Protection	IP 66 (details in the user's manual)
Enclosure	vandalproof, aluminium, white • enclosure type: 4F
Power Supply	12 VDC, PoE (IEEE 802.3af, Class 3)
Surge protection	TVS 6000 V
Power Consumption	3 W • 5 W (IR illuminator on)
Operating Temperature	-35°C ~ 60°C
Humidity	max. 95%, relative (non-condensing)