NOVUS
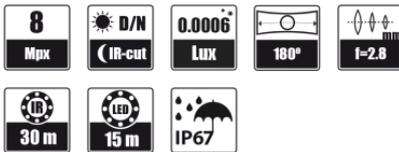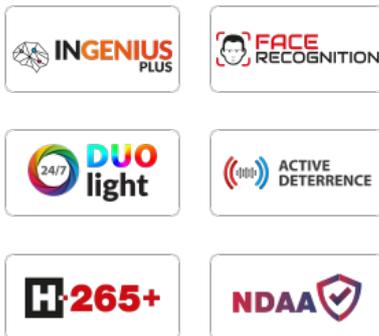
8MPX panoramic IP camera with Deep Learning-based image analysis and active deterrence

NVIP-8PVE-4501/FWLAD

4000 VSS IP

KEY FEATURES

INGENIUS PLUS

FACE RECOGNITION

DUO light 24/7

ACTIVE DETERRENCE

H·265+

NDAA

| 8 Mpx | D/N IR-cut | 0.0006 Lux | 180° | f=2.8 mm |
| IR 30 m | LED 15 m | IP67 | | |

- Resolution: 8 MPX
- Lens: fixed focal, f=2.8 mm/F1.2 x 2
- 180° horizontal viewing angle
- D/N function - IR cut filter
- Video content analysis based on Deep Learning
- Licence plate recognition (LPR)
- microSD card support
- two-way audio
- Min. Illumination: 0.0006 lx (0 lx, IR on)
- IR LED, range up to 30 m
- white LED illuminator, range up to 15 m
- "Two way power" - when connected to a PoE switch, it allows to power the low power receiver from the camera's power socket

COMPLIANCE

Onvif | GMST

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	5 MPX CMOS sensor 1/2.7" SmartSens x 2
Min. Illumination	0.0006 lx/F1.2 - color mode • 0 lx (IR on) - B/W mode
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)	3D
Highlight Compensation (HLC)	yes
Back Light Compensation (BLC)	yes
Reduction of image flicker (Antiflicker)	yes

LENS

Lens Type	fixed focal, f=2.8 mm/F1.2 x 2

DORI

DORI (Detection, Observation, Recognition, Identification)	for f = 2.8mm - D: 56m, O: 22.4m, R: 11.2m, I: 5.6m

DAY/NIGHT

Mode	day/night switching: mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes

NETWORK

Stream Resolution	5120 x 1440, 4608 x 1296, 4096 x 1152, 3840 x 1080, 3072 x 864, 1536 x 432, 1024 x 288
Frame Rate	15 fps for each resolution
Multistreaming Mode	number of streams: 2 (main stream, sub stream)
Video/Audio Compression	H.264, H.264+, H.265, H.265+/G.711
Number of Simultaneous Connections	max. 14
Bitrate	for H.264 : 128 kbps - 8192 kbps • for H.265 : 128 kbps - 8192 kbps
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, RTP, UPnP, SNMP, IEEE 802.1X, PPPoE, SMTP, P2P, HTML5, RTMP
ONVIF Protocol Support	Profile G/S/T/M
Camera Configuration	from Edge, Firefox, Chrome, Safari browser • languages: Polish, English, and others

AAT | AAT SYSTEMY BEZPIECZEŃSTWA sp. z o.o.

GO TO THE **WEBSITE**

NOVUS

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NVIP-8PVE-4501/FWLAD

113 mm

135 mm (Ø)

Compatible Software	NOVUS MANAGEMENT SYSTEM VSS
Mobile applications	ipGO 4 (iPhone, Android)

VIDEO ANALYTICS

Functions	tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, intrusion detection

OTHER FUNCTIONS

Security	video encryption, IEEE 802.1X support, HTTPS support, IP and/or MAC address filtering, force change of default password
Privacy Zones	6 video mask type: single color
Motion Detection	yes
Region of interest (ROI)	8
Audio Detection	decline detection, rise detection, rare sound detection
Image Processing	180˚ image rotation, corridor mode
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, push notification, active deterrent functions
Determent	white LEDs, steady/flashing light, red and blue LEDs, flashing light, • built-in speaker (predefined or custom voice messages)
Restoring default settings	via web browser, using reset button

IR LED

LED Number	3
Range	30 m
Smart IR	yes (hardware support)

WHITE LIGHT ILLUMINATOR

LED Number	2, warm white color
Range	15 m
Smart Light	yes (hardware support)

INTERFACES

Audio Input/Output	built-in microphone/speaker
Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Memory Card Slot	microSD - capacity up to 256GB

INSTALLATION PARAMETERS

Dimensions (mm)	135 (Φ) x 113 (H)
Weight	0.8 kg
Degree of Protection	IP 67 (details in the user's manual)
Enclosure	vandalproof, aluminium, white • enclosure type: 4VE-B1
Power Supply	12 VDC, PoE (IEEE 802.3af, Class 3)
Power Consumption	3 W • 6 W (IR illuminator on) • 6 W (white light illuminator on) • 8 W (active deterrence functions enabled)
Operating Temperature	-30°C ~ 60°C
Humidity	max. 90%, relative (non-condensing)