

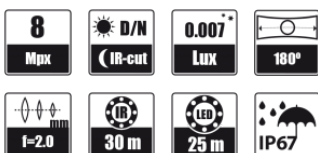


# 8MPX panoramic IP camera with Deep Learning-based image analysis and active deterrence

NVIP-8VE-4501P/WLAD



## FUNCTIONS



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.

## COMPATIBILITY



## KEY FEATURES

- Resolution: 8 MPX (4K Ultra HD)
- Lens: fixed focal, f=2.0 mm/F2.4
- 180° horizontal viewing angle
- D/N function - IR cut filter
- Video content analysis based on Deep Learning
- microSD card support
- WDR with double scan sensor
- two-way audio
- Min. Illumination: 0.007 lx (0 lx, IR on)
- IR LED, range up to 25 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

## DIMENSIONS

<b>Image</b>	
Image Sensor	8 MPX CMOS sensor 1/2.8" SONY STARVIS
Number of Effective Pixels	3840 (H) x 2160 (V)
Min. Illumination	0.007 lx/F1.0 - 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 (double scan sensor)
Digital Noise Reduction (DNR)	3D
Highlight Compensation (HLC)	yes
Back Light Compensation (BLC)	yes
Reduction of image flicker (Antiflicker)	yes
<b>Lens</b>	
Lens Type	fixed focal, f=2.0 mm/F2.4
<b>Day/Night</b>	
Switching Type	mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
<b>Network</b>	
Stream Resolution	3840 x 2160 (4K Ultra HD), 3072 x 1728, 2592 x 1520, 2592 x 1944, 2304 x 1296, 1920 x 1080 (Full HD), 1280 x 960, 1280 x 720 (HD), 640 x 480 (VGA)
Frame Rate	20 fps for 3840 x 2160 (UHD), 3072 x 1728, 2592 x 1944, 30 fps for 2592 x 1520 and lower resolutions
Multistreaming Mode	3 streams (main stream, sub stream, third stream)
Video/Audio Compression	H.264, H.264+, H.265, H.265+/G.711
Number of Simultaneous Connections	max. 3 connections, (max. 10 streams in total)
Bandwidth	40 Mb/s in total
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, RTP, UPnP, SNMP, SMTP, P2P, HTML5, RTMP
Camera Configuration	from Edge, Firefox, Chrome, Safari browser languages: Polish, English, Russian, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS
Mobile applications	RxCamView (iPhone, Android)
<b>Other functions</b>	
Privacy Zones	6 video mask type: single color
Motion Detection	yes
Region of interest (ROI)	8
Audio Detection	yes
Video Content Analysis (VCA)	tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi loiter, cross counting, heat map, queue length detection, objects distinguishing
Image Processing	180° image rotation, corridor mode, 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, push notification, active deterrent functions
Deterrent	white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren)
Restoring default settings	via web browser, using reset button
<b>IR LED</b>	
LED Number	2
Range	25 m
Smart IR	yes (hardware support)
<b>White light illuminator</b>	
LED Number	2, warm white color
Range	15 m
Smart Light	yes (hardware support)
<b>Interfaces</b>	
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
<b>Installation parameters</b>	
Dimensions (mm)	116 (Ø) x 98 (H)
Weight	0.6 kg
Degree of Protection	IP 67 (details in the user's manual)
Enclosure	vandalproof aluminium, white



98 mm



116 mm (Ø)



Power Supply	12 VDC, PoE (IEEE 802.3af, Class 3)
Surge protection	TVS 4000 V
Power Consumption	3 W, 5 W (IR illuminator on), 5 W (white light illuminator on), 7 W (active deterrence functions enabled)
Operating Temperature	-35°C ~ 60°C
Humidity	max. 95%, relative (non-condensing)