

Vandal Proof IP Camera **NVIP-5VE-4501** 



## NOVUS

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 Ima Nu 265+ Mir Ele Dig 5 🗯 D/N 0.03 ..... Mpx (IR-cut Lux f=2.8 30 m Wio

•Resolution: 5 MPX

**KEY FEATURES** 

- •Lens: fixed focal, f=2.8 mm/F1.6
- •support for Chrome, Firefox, Opera, Safari browsers •D/N function - IR cut filter
- ·Video content analysis based on Deep Learning
- •Licence plate recognition (LPR)
- microSD card support
- •WDR with double scan sensor
- •Min. Illumination: 0.03 lx (0 lx, IR on)
- •IR LED, range up to 30 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



DIMENSIONS

Image Sensor	5 MPX CMOS sensor 1/2.7" SmartSens
Number of Effective Pixels	2880 (H) x 1620 (V)
Min. Illumination	0.03 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 (double scan sensor), 120dB
Digital Noise Reduction (DNR)	2D, 3D
Defog Function (F-DNR)	yes
Highlight Compensation (HLC)	yes
Back Light Compensation (BLC)	yes
Reduction of image flicker (Antiflicker)	yes
LENS	
Lens Type	fixed focal, f=2.8 mm/F1.6
DORI	
DORI (Detection, Observation, Recognition, Identification)	for f = 2.8mm - D: 56m, O: 22.4m, R: 11m, I: 5.6m
DAY/NIGHT	
Mode	day/night switching: mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Delay	1 ~ 36 s
Visible Light Sensor	yes
NETWORK	
Stream Resolution	2880 x 1620, 2560 x 1440 (QHD), 2304 x 1296, 1920 x 1080 (Full HD), 1280 x 720 (HD), 640 x 480 (VGA), 320 x 240 (QVGA)
Frame Rate	30 fps for each resolution
Multistreaming Mode	number of streams: 3 (main stream, sub stream, third stream)
Video/Audio Compression	H.264, H.264+, H.265, H.265+/G.711

Number of Simultaneous Connectionsmax. 7 connections, (max. 20 streams in total) 30 Mb/s in total









100 mm (Ø)



Network Protocols Support	HTTP, TCP/IP, IPv4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, RTP, UPnP, SNMP, SMTP, P2P, HTML5
Camera Configuration	from Internet Explorer, Firefox, Chrome, Opera, Safari browser • languages: Polish, English, Russian, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC
Mobile applications	RxCamView (iPhone, Android)
VIDEO ANALYTICS	
Functions	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi loiter, face detection, pedestrian detection, cross counting, heat map, queue length detection, object distinguishing, vehicle detection, intrusion detection, smart motion detection with objects distinguishing
OTHER FUNCTIONS	
Privacy Zones	4 video mask type: single color
Motion Detection	yes
Region of interest (ROI)	8
Audio Detection	yes
Image Processing	$180^\circ$ 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, saving in the cloud storage, push notification
Restoring default settings	via web browser, using reset button
LICENCE PLATE RECOGNITION	l (I PR)
Autonomous operation mode	yes - recognition function implemented in the camera
Capacity of License Plate Database	up to 10000 license plates, on all lists.
Types of recognized number plates	all countries of the European Union
Data recorded in the camera base	recognition date/time, number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list"
Data recorded in the camera base Reactions for the licence plate recognition	
Reactions for the licence plate recognition	recognised licence plate, presence on the "white list" or "black list"
Reactions for the licence plate recognition	recognised licence plate, presence on the "white list" or "black list"
Reactions for the licence plate	recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server
Reactions for the licence plate recognition IR LED LED Number	recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server
Reactions for the licence plate recognition IR LED LED Number Range	recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server 2 30 m
Reactions for the licence plate recognition IR LED LED Number Range Smart IR INTERFACES	recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server 2 30 m
Reactions for the licence plate recognition IR LED LED Number Range Smart IR	recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server 2 30 m yes (hardware support)
Reactions for the licence plate recognition IR LED LED Number Range Smart IR INTERFACES Audio Input/Output	recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server 2 30 m yes (hardware support) built-in microphone
Reactions for the licence plate recognition IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface	recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server 2 30 m yes (hardware support) built-in microphone 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Reactions for the licence plate recognition IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot	recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server 2 30 m yes (hardware support) built-in microphone 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Reactions for the licence plate recognition IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS	recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server 2 30 m yes (hardware support) built-in microphone 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB
Reactions for the licence plate recognition IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm)	recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server 2 30 m yes (hardware support) built-in microphone 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB 100 (Φ) x 90 (H)
Reactions for the licence plate recognition IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight	e-mail with attachment, saving file on FTP server 2 30 m yes (hardware support) built-in microphone 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB 100 (Φ) x 90 (H) 0.43 kg

12 VDC, PoE (IEEE 802.3af, Klasa 3)

Vandal Proof IP Camera

**NVIP-5VE-4501** 



Power Supply



## Vandal Proof IP Camera NVIP-5VE-4501

Surge protection	TVS 4000 V
Power Consumption	2 W • 4 W (IR illuminator on)
Operating Temperature	-30°C ~ 55°C
Humidity	max. 95%, relative (non-condensing)

A memory card is required for the license plate recognition function to work. License plate recognition and face detection functions are available for cameras with firmware V31.35.8.2.3\_xxxx and newer.

