

## Vandal-proof IP camera with white light and IR illuminators

### **NVIP-5VE-4511/FWLAD**





#### **KEY FEATURES**





























•Lens: fixed focal, f=2.8 mm/F1.0

- active deterrence
- •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
- •two-way audio
- •Min. Illumination: 0.002 lx (0 lx, IR on)
- •IR LED, range up to 25 m
- $\bullet$  white LED illuminator, range up to 20 m  $\,$
- "Two way power" when connected to a PoE switch, it allows to power the low power receiver from the camera's power socket

### **COMPATIBILITY**



### **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	
Image Sensor	5 MPX CMOS sensor 1/2.7" SmartSens
Number of Effective Pixels	2880 (H) x 1620 (V)
Min. Illumination	0.002 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)	2D, 3D
Highlight Compensation (HLC)	yes
Back Light Compensation (BLC)	yes
Reduction of image flicker (Antiflicker)	yes

### **LENS**

Lens Type

DAY/NIGHT		
Switching Type	mechanical IR cut filter	
Switching Mode	auto, manual, time	
Switching Delay	1 ~ 36 s	

1920 x 1080 (Full HD), 1280 x 720 (HD), 640 x 480 (VGA), 320 x 240

(QVGA), 2560 x 1440 (QHD), 2304 x 1296, 2880 x 1620

fixed focal, f=2.8 mm/F1.0

### **NETWORK**

Stream Resolution

Frame Rate	30 fps for each resolution
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 Connecti	onsmax. 3 connections, (max. 40 streams in total)
Bandwidth	30 Mb/s in total
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, RTP, UPnP, SMTP, P2P, HTML5
Camera Configuration	from Internet Explorer, Edge, Firefox, Chrome, Safari browser • languages: Polish, English, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC
Mobile applications	RxCamView (iPhone, Android)





### NOVUS

# NoVus:

90 mm

100 mm (Ø)



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ОТ	HER	FUN	ICTI	ONS

Privacy Zones	4 video mask type: single color
Motion Detection	yes
Region of interest (ROI)	8
Audio Detection	yes
Video Content Analysis (VCA)	abandoned object, object disappearance, line cross, zone violation, multi loiter, face detection, cross counting, heat map, queue length detection, objects distinguishing, target counting by area
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, active deterrent functions
Determent	white LEDs, steady/flashing light, red and blue LEDs, flashing light, • audio signaling device (siren), built-in speaker (custom voice messages)
Restoring default settings	via web browser, using reset button

### **LICENCE PLATE RECOGNITION (LPR)**

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"
Reactions for the licence plate recognition	e-mail with attachment, saving file on FTP server, saving a file in the cloud

### **IR LED**

LED Number	1
Range	25 m
Smart IR	yes (hardware support)

### WHITE LIGHT ILLUMINATOR

LED Number	2, warm white color
Range	20 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**

100 (Φ) x 90 (H)	
0.43 kg	
IP 66 (details in the user's manual)	
vandalproof aluminium, white	
12 VDC, PoE (IEEE 802.3af, Class 3)	
TVS 4000 V	
	0.43 kg IP 66 (details in the user's manual) vandalproof aluminium, white 12 VDC, PoE (IEEE 802.3af, Class 3)





# Vandal-proof IP camera with white light and IR illuminators ${f NVIP-5VE-4511/FWLAD}$

Power Consumption	2 W • 3.4 W (IR illuminator on) • 4.6 W (white light illuminator on) • 6 W (active deterrence functions enabled)
Operating Temperature	-35°C ~ 60°C
Humidity	max. 95%, relative (non-condensing)

