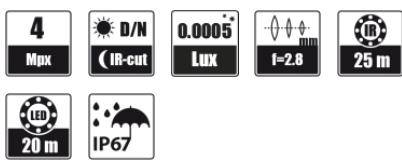


4 MPX IP camera with Deep Learning-based image analysis and active deterrence

**NVIP-4H-4231/WLAD**

4000 

#### KEY FEATURES



- Resolution: 4 MPX
- Lens: fixed focal, f=2.8 mm/F1.0
- active deterrence
- D/N function - IR cut filter
- Video content analysis based on Deep Learning
- microSD card support
- two-way audio
- Min. Illumination: 0.0005 lx (0 lx, IR on)
- IR LED, range up to 25 m
- 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

#### COMPLIANCE



#### 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	4 MPX CMOS sensor 1/3" SmartSens
Number of Effective Pixels	2560 (H) x 1440 (V)
Min. Illumination	0.0005 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
Digital Noise Reduction (DNR)	2D, 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/F1.0
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#### DORI

DORI (Detection, Observation, Recognition, Identification)	for f = 2.8mm - D: 56m, O: 22.4m, R: 11m, I: 5.6m
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#### DAY/NIGHT

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

#### NETWORK

Stream Resolution	2560 x 1440 (QHD), 640 x 480 (VGA)
Frame Rate	25 fps for each resolution
Multistreaming Mode	number of streams: 2 (main stream, sub stream)
Video/Audio Compression	H.264, H.265/G.711
Number of Simultaneous Connections	max. 3 connections, (max. 10 streams in total)
Bandwidth	15 Mb/s in total
Network Protocols Support	HTTP, TCP/IP, IPv4, HTTPS, DHCP, DNS, DDNS, NTP, RTSP, RTP, SMTP, P2P
Camera Configuration	from Internet Explorer browser • languages: Polish, English, and others

## 4 MPX IP camera with Deep Learning-based image analysis

and active deterrence

**NVIP-4H-4231/WLAD**



Compatible Software

NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC

Mobile applications

ipGO 4 (iPhone, Android)

### VIDEO ANALYTICS

Functions

line cross, zone entrance, zone exit, zone violation, objects distinguishing, intrusion detection, smart motion detection with objects distinguishing

### OTHER FUNCTIONS

Privacy Zones

4 video mask type: single color

Motion Detection

yes

Audio Detection

decline detection, rise detection

Image Processing

180° image rotation, 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 SD card, 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

### 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

Dimensions (mm)

with bracket: 71 (Ø) x 150 (L)

Weight

0.36 kg

Degree of Protection

IP 67 (details in the user's manual)

Enclosure

aluminium, white, fully cable managed wall mount bracket in-set included • enclosure type: 4H-B

Power Supply

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

Surge protection

TVS 4000 V

Power Consumption

1.5 W • 3 W (IR illuminator on) • 5.5 W (white light illuminator on) • 6.5 W (active deterrence functions enabled)

Operating Temperature

-35°C ~ 60°C

Humidity

max. 95%, relative (non-condensing)