# **NOVUS**

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

NVIP-4H-4231/WLAD





#### FUNCTIONS









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### COMPLIANCE



## **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

#### 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
DORI	
DORI (Detection, Observation, Recognition, Identification)	for f = 2.8mm - D: 56m, O: 22.4m, R: 11m, I: 5.6m
Day/Night	
	1 111 11 11 11 11 11 11 11 11 11 11 11
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
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC
Mobile applications	B 6 16 70 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
· · · · · · · · · · · · · · · · · · ·	RxCamView (iPhone, Android)
Video Analytics	KXCamview (iPnone, Android)
	line cross, zone entrance, zone exit, zone violation, objects distinguishing, intrusion detection, smart motion
Video Analytics Functions	
Video Analytics Functions Other functions	line cross, zone entrance, zone exit, zone violation, objects distinguishing, intrusion detection, smart motion detection with objects distinguishing
Video Analytics Functions Other functions Privacy Zones	line cross, zone entrance, zone exit, zone violation, objects distinguishing, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color
Video Analytics Functions Other functions Privacy Zones Motion Detection	line cross, zone entrance, zone exit, zone violation, objects distinguishing, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color yes
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Video Analytics Functions Other functions Privacy Zones Motion Detection Audio Detection Image Processing Prealarm/Postalarm	line cross, zone entrance, zone exit, zone violation, objects distinguishing, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color yes yes 180° image rotation, vertical flip, horizontal flip up to 5 s/up to 30 s
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 Power Supply
 12 VDC, PDE (IEEE 802.3af, Klasa 3)

 Surge protection
 TVS 4000 V

 J. 5, W.
 3 W (IR Illuminator on).

 5 S W (white light illuminator on).
 5.5 W (white light illuminator on).

 5.5 W (active deterrence functions enabled)

 Operating Temperature
 -35°C ~ 60°C

 Humidity
 max. 95%, relative (non-condensing)

71 mm (Ø)



/1 mm (Ø



150 mm