NOVUS

8 MPX IP camera with Deep Learning-based image analysis

NVIP-8H-4231/WL





KEY FEATURES

























- •Resolution: 8 MPX (4K Ultra HD)
- •Lens: fixed focal, f=2.8 mm/F1.6
- ·built-in microphone
- •D/N function IR cut filter
- •Video content analysis based on Deep Learning
- microSD card support
- •Min. Illumination: 0.009 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 $\ensuremath{\mathsf{DOWNLOADABLE}}$ FILES tab.

IMAGE

IMAGE	
Image Sensor	8 MPX CMOS sensor 1/2.7" SmartSens
Number of Effective Pixels	3840 (H) x 2160 (V)
Min. Illumination	0.009 lx/F1.6 - 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/F1.6

DORI

DORI (Detection, Observation,	for f = 2.8mm - D: 74m, O: 30m, R: 15m, I: 7m
Recognition, Identification)	

DAY/NIGHT

Mode	day/night switching: mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Schedule	ves

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NETWORK	
Stream Resolution	3840 x 2160 (4K Ultra HD), 1920 x 1080 (Full HD), 1280 x 720 (HD), 640 x 480 (VGA)
Frame Rate	15 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 Conne	ectionsmax. 4
Bitrate	for H.264 : 128 kbps - 6144 kbps • for H.265 : 128 kbps - 6144 kbps
Network Protocols Support	HTTP, TCP/IP, IPv4, HTTPS, DHCP, DNS, DDNS, NTP, RTSP, RTP, SMTP, P2P
Camera Configuration	from Edge browser • languages: Polish, English, and others





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Compatible Software	NOVUS MANAGEMENT SYSTEM VSS
Mobile applications	RxCamView (iPhone, Android)
VIDEO ANALYTICS	
Functions	line cross, zone entrance, zone exit, zone violation, intrusion detection, smart motion detection with objects distinguishing
OTHER FUNCTIONS	
Security	HTTPS support, force change of default password
Privacy Zones	4 video mask type: single color
Motion Detection	yes
Audio Detection	yes
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
Determent	white LEDs, steady/flashing light,
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	
WITH E LIGHT ILLOPINATOR	
LED Number	2, warm white color
	2, warm white color 20 m
LED Number	·
LED Number Range Smart Light	20 m
LED Number Range Smart Light INTERFACES	20 m yes (hardware support)
LED Number Range Smart Light	20 m yes (hardware support) built-in microphone
LED Number Range Smart Light INTERFACES Audio Input/Output Network Interface	20 m yes (hardware support) built-in microphone 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
LED Number Range Smart Light INTERFACES Audio Input/Output Network Interface Memory Card Slot	20 m yes (hardware support) built-in microphone
LED Number Range Smart Light INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS	20 m yes (hardware support) built-in microphone 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB
LED Number Range Smart Light INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm)	20 m yes (hardware support) built-in microphone 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 71 (Φ) x 147 (L)
LED Number Range Smart Light INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight	20 m yes (hardware support) built-in microphone 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 71 (Φ) x 147 (L) 0.38 kg
LED Number Range Smart Light INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection	20 m yes (hardware support) built-in microphone 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 71 (Φ) x 147 (L) 0.38 kg IP 66 (details in the user's manual)
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LED Number Range Smart Light INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure	20 m yes (hardware support) built-in microphone 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 71 (Φ) x 147 (L) 0.38 kg IP 66 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set included • enclosure type: 4H-B
LED Number Range Smart Light INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure Power Supply	20 m yes (hardware support) built-in microphone 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 71 (Φ) x 147 (L) 0.38 kg IP 66 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set included • enclosure type: 4H-B 12 VDC, PoE (IEEE 802.3af, Klasa 3)

AAT SYSTEMY BEZPIECZEŃSTWA sp. z o.o. hereby declares, that this NOVUS product does not contain any components or technologies manufactured by the entities mentioned in the Section 889 of the National Defense Authorization Act (NDAA) for Fiscal Year 2019



