# **NOVUS**

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

NVIP-8VE-4231/WL





#### FUNCTIONS















Image Sensor

Number of Effective Pixels











## **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 DOWNLOADABLE FILES tab.

8 MPX CMOS sensor 1/2.7" SmartSens

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, Recognition, Identification)	for f = 2.8mm - D: 74m, O: 30m, R: 15m, I: 7m
Day/Night	10. 1 = 2.0 min   5. 74m, 6. 30m, 10. 23m, 10. 7m
Mode	de de la la constantina de la constantina del constantina del constantina de la cons
Switching Mode	day/night switching: mechanical IR cut filter auto, manual, time
Switching Mode Switching Level Adjustment	yes
Switching Schedule	yes
Network	yes
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) H.264, H.265/G,711
Video/Audio Compression  Number of Simultaneous Connections	H.264, H.265/G./11 max. 4
	for H.264 : 128 kbps - 6144 kbps
Bitrate	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
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS
Mobile applications	RxCamView (iPhone, Android)
Video Analytics	
	line cross zone entrance, zone exit zone violation, intrusion detection, smart motion detection with objects
Functions	line cross, zone entrance, zone exit, zone violation, intrusion detection, smart motion detection with objects distinguishing
Functions Other functions	distinguishing
Functions Other functions Security	distinguishing  HTTPS support, force change of default password
Functions Other functions Security Privacy Zones	distinguishing  HTTPS support, force change of default password  4 video mask type: single color
Functions  Other functions  Security  Privacy Zones  Motion Detection	distinguishing  HTTPS support, force change of default password  4 video mask type: single color yes
Functions  Other functions  Security  Privacy Zones  Motion Detection  Audio Detection	distinguishing  HTTPS support, force change of default password  4 video mask type: single color  yes  yes
Functions  Other functions  Security  Privacy Zones  Motion Detection  Audio Detection  Image Processing	distinguishing  HTTPS support, force change of default password  4 video mask type: single color yes yes 180* image rotation, vertical flip, horizontal flip
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Functions  Other functions  Security  Privacy Zones  Motion Detection  Audio Detection  Image Processing  Prealarm/Postalarm  System Reaction to Alarm Events	distinguishing  HTTPS support, force change of default password  4 video mask type: single color yes yes 180° image rotation, vertical flip, horizontal flip up to 5 s/up to 30 s e-mail with attachment, saving file on SD card, active deterrent functions
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100 mm (Ø)

Power Supply	12 VDC, PoE (IEEE 802.3af, Klasa 3)
Power Consumption	2 W, 3 W (IR illuminator on), 4 W (white light illuminator on)
Operating Temperature	-35°C ~ 60°C
Humidity	may 90% relative (non-condensing)

AAT SYSTEMY BEZPIECZENSTWA sp. z.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 (NOAA) for Fiscas Year 2019