NOVUS

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

NVIP-4H-4231/WLAD





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
- 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

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

INAGE	
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,	for f = 2.8mm - D: 56m, O: 22.4m, R: 11m, I: 5.6m
Recognition, Identification)	

DAY/NIGHT

Switching Type	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 Conne	ectionsmax. 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





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Mobile applications RxCamView (iPhone, Android) VIDEO ANALYTICS Functions line cross, zone violation, objects distinguishing, smart motion detection 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, red and blue LEDs, flashing light, • audio signaling device (siren) Restoring default settings via web browser, using reset button IR LED 1 Range 25 m Smart IR yes (hardware support) WHITE LIGHT ILLUMINATOR LED Number LED Number 2, warm white color Range 20 m Smart Light yes (hardware support) INTERFACES The Element - RJ-45 interface, 10/100 Mbit/s Network Interface 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s Nemory Card Slot microSD - capacity up to 256GB <th>Compatible Software</th> <th>NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC</th>	Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC
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$6.5 \text{ W (active deterrence functions enabled)}$ Operating Temperature $-35 ^{\circ}\text{C} \sim 60 ^{\circ}\text{C}$		
	Surge protection	TVS 4000 V
Humidity max. 95%, relative (non-condensing)		1.5 W • 3 W (IR illuminator on) • 5.5 W (white light illuminator on) •
	Power Consumption	1.5 W • 3 W (IR illuminator on) • 5.5 W (white light illuminator on) • 6.5 W (active deterrence functions enabled)



