NOVUS

8MPX panoramic IP camera with Deep Learning-based image analysis and active deterrence

NVIP-8VE-4501P/WLAD





FUNCTIONS









8



















Onvir*10000

KEY FEATURES

- •Resolution: 8 MPX (4K Ultra HD)
 •Lens: fixed focal, f=2.0 mm/F2.4
- •180° horizontal viewing angle •D/N function IR cut filter
- •Video content analysis based on Deep
- Learning
 •microSD card support
- •WDR with double scan sensor
- •two-way audio
- •Min. Illumination: 0.04 lx (0 lx, IR on)
- •IR LED, range up to 25 m
- white LED illuminator, range up to 15 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	8 MPX CMOS sensor 1/2.8" SONY STARVIS
Number of Effective Pixels	3840 (H) x 2160 (V)
Min. Illumination	0.04 lx/F2.4 - 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 (double scan sensor)
Digital Noise Reduction (DNR)	3D
Highlight Compensation (HLC)	yes
Back Light Compensation (BLC)	yes
Reduction of image flicker (Antiflicker)	yes
Lens	
Lens Type	fixed focal, f=2.0 mm/F2.4
DORI	incer rocal, 1=2.0 minut 2.4
DORI (Detection, Observation, Recognition, Identification)	for f = 2.0mm - D: 58m, O: 23m, R: 11.6m, I: 6m
Day/Night Page 1997	
Mode	day/night switching: mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
Network	
Stream Resolution	3840 x 2160 (4K Ultra HD), 3072 x 1728, 2592 x 1520, 2592 x 1944, 2304 x 1296, 1920 x 1080 (Full HD),
	1280 x 960, 1280 x 720 (HD), 640 x 480 (VGA)
Multistreaming Mode	number of streams: 3 (main stream, sub stream, third stream)
Video/Audio Compression	H.264, H.264+, H.265, H.265+/G.711
Number of Simultaneous Connections	max. 3 connections, (max. 10 streams in total)
Bandwidth	40 Mb/s in total
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, RTP, UPnP, SNMP, SMTP, P2P, HTML5, RTMP
ONVIF Protocol Support	Profile G/S/T/M
Camera Configuration	from Edge, Firefox, Chrome, Safari browser languages: Polish, English, Russian, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS
Mobile applications	RxCamView (iPhone, Android)
Video Analytics	
Functions	tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi lolter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, vehicle detection, intrusion detection
Functions Other functions	loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing,
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Other functions Privacy Zones	loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing,
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	Weight	0.6 kg
	Degree of Protection	IP 67 (details in the user's manual)
	Enclosure	vandalproof, aluminium, white enclosure type: 4VE-M
	Power Supply	12 VDC, PoE (IEEE 802.3af, Klasa 3)
	Surge protection	TVS 4000 V
98 mm	Power Consumption	3 W, 5 W (IR illuminator on), 5 W (white light illuminator on), 7 W (active deterrence functions enabled)
	Operating Temperature	-35°C ~ 60°C
	Humidity	max. 95%, relative (non-condensing)

116 mm (Ø)

