

8 MPX Panoramic IP Camera with video content analysis and active deterrence

NVIP-8PVE-6501/FWLAD



KEY FEATURES



- Resolution: 8 MPX
- Lens: fixed focal, f=2.8 mm/F1.6 x 2
- 180° horizontal viewing angle
- D/N function - IR cut filter
- Video content analysis based on Deep Learning
- microSD card support
- two-way audio
- Min. Illumination: 0.0032 lx (0 lx, IR on)
- IR LED, range up to 30 m
- white LED illuminator, range up to 20 m

COMPLIANCE



DIMENSIONS

The camera is dedicated to work with NOVUS 6000 series recorders. Detailed data can be found in the compatibility table available in the DOWNLOADABLE FILES tab.

IMAGE

Image Sensor	4 MPX CMOS sensor 1/2.7" SmartSens x 2
Min. Illumination	0.0032 lx/F1.6 - color mode • 0 lx (IR on) - B/W mode
Electronic Shutter	auto/manual: 1/3 s ~ 1/100000 s
Digital Slow Shutter (DSS)	up to 1/3 s
Wide Dynamic Range (WDR)	yes
Digital Noise Reduction (DNR)	3D
Defog Function (F-DNR)	yes
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 x 2
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DORI

DORI (Detection, Observation, Recognition, Identification)	for f = 2.8mm - D: 60m, O: 24m, R: 12m, I: 6m
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DAY/NIGHT

Mode	day/night switching: mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
Switching Delay	2 ~ 6000 s

NETWORK

Stream Resolution	3200 x 1800 (QHD+), 4640 x 1760, 3632 x 1632, 2304 x 864, 2048 x 768, 1600 x 608, 1200 x 448, 960 x 368, 640 x 240
Frame Rate	30 fps for each resolution
Multistreaming Mode	number of streams: 3
Video/Audio Compression	H.264, H.264+, H.265, H.265+, MJPEG/G.711
Number of Simultaneous Connections	max. 10
Bitrate	for H.264 : 256 kbps - 10240 kbps • for H.265 : 64 kbps - 8192 kbps
Network Protocols Support	HTTP, IPv4, IPv4/v6, UDP, HTTPS, FTP, DHCP, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, P2P, RTMP, HTTP POST

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103 mm

112 mm (Ø)



Camera Configuration

from Internet Explorer, Edge, Firefox, Chrome browser • languages: Polish, English, and others

Compatible Software

NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000

Mobile applications

ipGO 6 (iPhone, Android)

VIDEO ANALYTICS

Functions

abandoned object, object disappearance, line cross, zone entrance, zone exit, loiter, face detection, cross counting, heat map, scene change, video blurred, video color cast, intrusion detection, counting objects in the area, smart motion detection with objects distinguishing, video metadata, illegal parking detection, audio detection

OTHER FUNCTIONS

Security

video encryption, configuration encryption, IEEE 802.1X support, HTTPS support, Basic authorization for HTTP/RTSP, MAC/IP address filtering, force change of default password, authorization Token for HTTP/RTSP

Privacy Zones

4 video mask type: single color

Motion Detection

yes

Region of interest (ROI)

8

Audio Detection

yes

Image Processing

sharpening

Prealarm/Postalarm

up to 6 s/up to 120 s

System Reaction to Alarm Events

e-mail, e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, active deterrent functions

Deterrent

red and blue LEDs, flashing light, • built-in speaker (predefined voice messages)

Restoring default settings

via web browser, using reset button, via NMS IPTool software, via IP Tool 6000 software

IR LED

LED Number

2

Range

30 m

Smart IR

yes (software support)

WHITE LIGHT ILLUMINATOR

LED Number

2, warm white color

Range

20 m

Smart Light

yes (software support)

Launching

automatic, manual

INTERFACES

Audio Input/Output

1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone/speaker

Alarm Input/Output

1 (NO/NC)/1 relay type (max. 12VDC/300mA)

Network Interface

1 x Ethernet - RJ-45 interface, 10/100 Mbit/s

Memory Card Slot

microSD - capacity up to 256GB

INSTALLATION PARAMETERS

Dimensions (mm)

112 (Ø) x 103 (H)

Weight

0.72 kg



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Degree of Protection	IP 66 (details in the user's manual)
Enclosure	vandalproof, aluminium, white, poly-carbonate bubble • enclosure type: 6VE-M
Power Supply	12 VDC, PoE+ (IEEE 802.3at,Class 4)
Surge protection	TVS 4000 V
Power Consumption	6 W • 7 W (IR illuminator on) • 6.5 W (white light illuminator on) • 7.5 W (active deterrence functions enabled) • 10 W (IR illuminator and active deterrence functions enabled)
Operating Temperature	-30°C ~ 60°C
Humidity	max. 90%, relative (non-condensing)

The camera creates a fully functional face recognition system when used with selected NOVUS IP 6000 series recorders (models with "F" in the name). Full resolution is supported by DVRs that support resolution 16MPX. Other DVRs automatically lower the camera resolution to one they can handle.



AAT SYSTEMY BEZPIECZEŃSTWA sp. z o.o.

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