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

NVIP-8PVE-6501/FWLAD



FUNCTIONS

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
DORI	
DORI (Detection, Observation, Recognition, Identification)	for f = 2.8mm - D: 60m, O: 24m, R: 12m, I: 6m
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
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
Other functions	
Security	video encryption, configuration encryption, IEEE 802.1X support, HTTPS support, Basic authorization for HTTP/RTSP, IP and/or MAC 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	decline detection, rise detection
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)

COMPLIANCE

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

DIMENSIONS







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 (Φ) x 103 (H)
Weight	0.72 kg
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.