

4MPX PTZ dome IP camera with face recognition and object tracking

NVIP-4SD-6510/3/F



KEY FEATURES



- Resolution: 4 MPX
- Lens: motorized varifocal, AI and AF function, optical zoom 3x, f=3.18 ~ 7.42 mm/F1.6 ~ 2.7
- D/N function - IR cut filter
- Auto Tracking
- Video content analysis based on Deep Learning
- microSD card support
- two-way audio
- Min. Illumination: 0.004 lx (0 lx, IR on)
- IR LED, 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
Min. Illumination	0.02 lx/F1.6 - color mode • 0.004 lx/F1.6 - B/W mode • 0 lx (IR on) - B/W mode
S/N Ratio	> 52 dB (AGC off)
Electronic Shutter	auto/manual: 1/25 s ~ 1/25000 s
Wide Dynamic Range (WDR)	yes
Digital Noise Reduction (DNR)	3D
Highlight Compensation (HLC)	yes
Back Light Compensation (BLC)	yes
Reduction of image flicker (Antiflicker)	yes
Digital zoom	8x

LENS

Optical Zoom	3x
Lens Type	motorized, auto-iris function, f=3.18 ~ 7.42 mm/F1.6 ~ F2.7
Auto-focus	zoom trigger, day/night mode trigger, manual trigger

DORI

DORI (Detection, Observation, Recognition, Identification)	for f = 3.18mm - D: 62.8m, O: 24.9m, R: 12.56m, I: 6.28m • for f = 7.42mm - D: 148.4m, O: 58.89m, R: 29.68m, I: 14.84m
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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	10 ~ 360 s

NETWORK

Stream Resolution	2688 x 1520, 2560 x 1440 (QHD), 1920 x 1080 (Full HD), 2048 x 1536 (QXGA), 1280 x 960, 1280 x 720 (HD), 704 x 576, 640 x 480 (VGA), 352 x 288 (CIF)
Frame Rate	30 fps for each resolution
Multistreaming Mode	number of streams: 3 (main stream, sub stream, third stream)
Video/Audio Compression	H.264, H.264+, H.265, H.265+, MJPEG/G.711
Number of Simultaneous Connections	max. 7



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Bitrate	for H.264 : 128 kbps - 8192 kbps • for H.265 : 64 kbps - 7168 kbps
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, ICMP, SSL/TLS, HTML5, RTMP
ONVIF Protocol Support	Profile G/S/T
Camera Configuration	from Edge, Firefox, Chrome, Opera, Safari 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)

PTZ

Preset Commands	360 including 21 special (function) presets
Tours	8 (up to 16 presets per tour)
Tilt/Pan Range	15° ~ 90°/0° ~ 355°
Pan/Tilt Speed	up to 80°/s (proportional to zoom)
Preset Speed	up to 80°/s

VIDEO ANALYTICS

Functions	auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exit, scene change, video blurred, video color cast, objects distinguishing, face recognition, comparing faces, intrusion detection
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OTHER FUNCTIONS

Security	video encryption, configuration encryption, IEEE 802.1X support, HTTPS support, IP and/or MAC address filtering, force change of default password
Privacy Zones	8 video mask type: single color
Motion Detection	yes
Image Processing	sharpening, vertical flip, horizontal flip
Prealarm/Postalarm	up to 6 s/up to 120 s
System Reaction to Alarm Events	e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, object tracking
Restoring default settings	via web browser, using reset button, via NMS IPTool software

IR LED

LED Number	4
Range	20 m
Smart IR	yes (hardware support)

INTERFACES

Audio Input/Output	1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone
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)	116 (Ø) x 82 (H)
Weight	0.5 kg
Degree of Protection	IP 67 (details in the user's manual)

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Enclosure	vandalproof, IK10 impact rating, aluminium, white, poly-carbonate bubble • enclosure type: 6V-SD
Power Supply	12 VDC, PoE (IEEE 802.3af, Class 3)
Surge protection	TVS 6000 V
Power Consumption	5 W • 12 W (IR illuminator on)
Operating Temperature	-30°C ~ 60°C
Cold start temperature	-20°C
Humidity	max. 90%, relative (non-condensing)

The camera has the ability to autonomously recognize and compare faces, but it can also be part of the face recognition system, working with selected NOVUS 6000 series IP recorders (models with "F" in the name).