



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

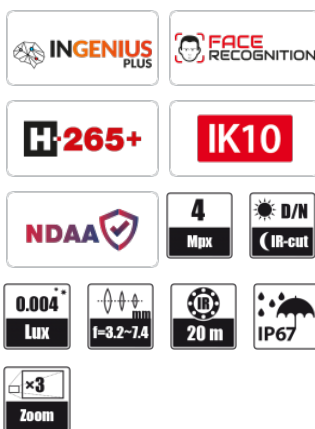
NVIP-4SD-6510/3/F



6000

VSS
IP

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
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
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
Bitrate	for H.264 : 128 kbps - 8192 kbps for H.265 : 64 kbps - 7168 kbps
Network Protocols Support	HTTP, TCP/IP, IPv4/IPv6, 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
Compatible Software	languages: Polish, English, and others
Mobile applications	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000 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
Other functions	
Security	video encryption, configuration encryption, IEEE 802.1X support, HTTPS support, MAC/IP 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

COMPLIANCE



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

DIMENSIONS



82 mm

116 mm (Ø)



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)
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).