NoVus

8 MPX Speed Dome IP Camera with face detection and intelligent object tracking

NVIP-8SD-6550/32/F-II





KEY FEATURES

























- •Resolution: 8 MPX (4K Ultra HD)
- •Lens: motorized varifocal, Al and AF function, optical zoom 32x, f=4.8 \sim 154 mm/F1.3 \sim 4.8
- •D/N function IR cut filter
- Auto Tracking
- •Video content analysis based on Deep Learning
- •microSD card support
- •WDR with double scan sensor
- two-way audio
- •Min. Illumination from 0.002 lx (0 lx, IR on)
- \bullet IR LED, range up to 200 m (depends on current optical zoom value)

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	8 MPX CMOS sensor 1/2.8" SONY STARVIS
Number of Effective Pixels	3864 (H) x 2192 (V)
Min. Illumination	0.01 lx/F1.3 - color mode • 0.002 lx/F1.3 - B/W mode • 0 lx (IR on) - B/W mode
S/N Ratio	> 52 dB (AGC off)
Electronic Shutter	auto: 1/25 s ~ 1/25000 s
Wide Dynamic Range (WDR)	yes (double scan sensor), 120dB
Digital Noise Reduction (DNR)	2D, 3D
Defog Function (F-DNR)	yes
Highlight Compensation (HLC)	yes
Back Light Compensation (BLC)	yes
Reduction of image flicker (Antiflicker)	yes
Digital zoom	8x
LENS	
Optical Zoom	32x
Lens Type	motorized, auto-iris function, f=4.8 \sim 154 mm/F1.3 \sim F4.8
Auto-focus	zoom trigger, day/night mode trigger, manual trigger
DORI	
DORI (Detection, Observation, Recognition, Identification)	for f = 4.8mm - D: 143.4m, O: 56.9m, R: 28.7m, I: 14.3m • for f = 154mm - D: 4093.8m, O: 1624.5m, R: 818.8m, I: 409.4m
DAY/NIGHT	
Mode	day/night switching: mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
Visible Light Sensor	yes
NETWORK	
Stream Resolution	3840 x 2160 (4K Ultra HD), 2560 x 1440 (QHD), 1920 x 1080 (Full HD), 1280 x 960, 1280 x 720 (HD), 704 x 576, 640 x 480 (VGA), 320 x 240 (QVGA)
Frame Rate	30 fps for each resolution

number of streams: 3

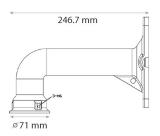


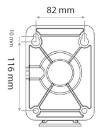
Multistreaming Mode

200 mm Ø



315mm





115 mm 160 mm

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Memory Card Slot	microSD - capacity up to 256GB
Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Alarm Input/Output	1 (NO/NC)/1 relay type
Audio Input/Output	1 x Jack (3.5 mm)/1 x Jack (3.5 mm)
INTERFACES	
Smart IR	yes (hardware support)
Range	up to 200 m (depends on current optical zoom value)
LED Number	8
IR LED	
Restoring default settings	via web browser, using reset button, via NMS IPTool software
System Reaction to Alarm Events	e-mail with attachment, saving file on FTP server, saving file on SD card, object tracking
Prealarm/Postalarm	up to 6 s/up to 120 s
Image Processing	sharpening, vertical flip, horizontal flip
Motion Detection	yes
Privacy Zones	8 video mask type: single color
OTHER FUNCTIONS Security	IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password
Functions	auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exit, cross counting, objects distinguishing, face recognition, comparing faces, intrusion detection
VIDEO ANALYTICS	
Preset Speed	up to 330°/s
Pan/Tilt Speed	up to 360°/s (proportional to zoom)
Tilt/Pan Range	-25° ~ 155°/360° (continuous)
Patterns	4 (max. 180 s for each pattern)
Tours	8 (up to 16 presets per tour)
Preset Commands	360 including 20 special (function) presets
PTZ	
Mobile applications	ipGO 6 (iPhone, Android)
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000
Camera Configuration	from Edge, Firefox, Chrome, Opera browser • languages: Polish, English, and others
ONVIF Protocol Support	Profile G/S/T
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, ICM HTML5, RTMP
Bitrate	for H.264 : 256 kbps - 12288 kbps • for H.265 : 128 kbps - 8192 kbp
Number of Simultaneous Connections	smax. 10
VI I C C' II	



Dimensions (mm)

200 (Φ) x 300 (H) with bracket: 200 (W) x 500 (H) x 315 (L)



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Weight	3 kg with bracket: 3.7 kg
Degree of Protection	IP 67 (details in the user's manual)
Enclosure	aluminium, white, IK10 impact rating, In set: outdoor housing (integrated with the camera), wall mount bracket • Enclosure type: 6SD-B
Power Supply	24 VDC/24 VAC, PoE++ (IEEE 802.3bt, Klasa 6)
Surge protection	TVS 6000 V
Power Consumption	14 W • 20 W (IR illuminator on) • 29 W (IR and heater on)
Surge protection	TVS 6000 V
Operating Temperature	-40°C ~ 65°C
Cold start temperature	-30°C
Humidity	max. 90%, relative (non-condensing)
Built-in Heater/Fan	yes/yes

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).

