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

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



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	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 ~ 154 mm/F1.3 ~ 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
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 - 12288 kbps for H.265 : 128 kbps - 8192 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, HTML5, RTMP
ONVIF Protocol Support	Profile G/S/T
Camera Configuration	from Edge, Firefox, Chrome, Opera 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 20 special (function) presets
Tours	8 (up to 16 presets per tour)
Patterns	4 (max. 180 s for each pattern)
Tilt/Pan Range	-25° ~ 155°/360° (continuous)
Pan/Tilt Speed	up to 360°/s (proportional to zoom)
Preset Speed	up to 330°/s
Video Analytics	
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
Other functions	
Security	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, object tracking
Restoring default settings	via web browser, using reset button, via NMS IPTool software
IR LED	
LED Number	8
Range	up to 200 m (depends on current optical zoom value)
Smart IR	yes (hardware support)
Interfaces	
Audio Input/Output	1 x Jack (3.5 mm)/1 x Jack (3.5 mm)

COMPLIANCE

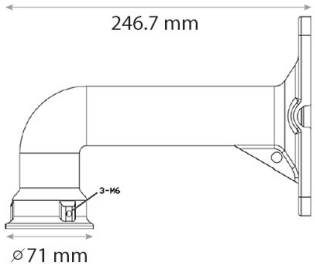
KEY FEATURES

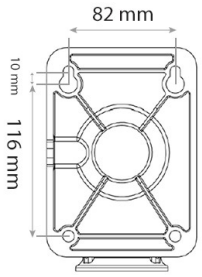
- Resolution: 8 MPX (4K Ultra HD)
- Lens: motorized varifocal, AI and AF function, optical zoom 32x, f=4.8 ~ 154 mm/F1.3 ~ 4.8
- D/N function - IR cut filter
- Auto Tracking
- Video content analysis based on Deep Learning
- microSD card support
- WDR with double scan sensor
- two-way audio
- Min. Illumination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

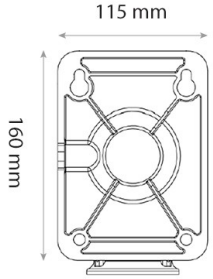
DIMENSIONS











Alarm Input/Output	1 (NO/NC)/1 relay type
Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Memory Card Slot	microSD - capacity up to 256GB
Installation parameters	
Dimensions (mm)	200 (Φ) x 300 (H) with bracket: 200 (W) x 500 (H) x 315 (L)
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, Class 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).