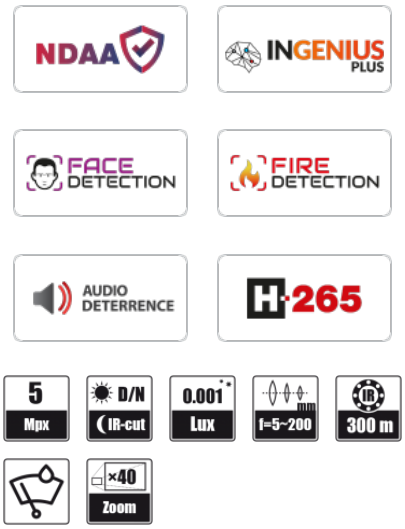
5MPX Speed Dome IP camera with Deep Learning-based image analysis

NVIP-5SD-8570/40/F



KEY FEATURES



- Resolution: 5 MPX
- Lens: motorized varifocal, AI and AF function, optical zoom 40x, f=5 ~ 200 mm/F1.68 ~ 5
- built-in lens cleaning wiper
- D/N function - IR cut filter
- Auto Tracking
- Video content analysis
- microSD card support
- WDR with double scan sensor
- two-way audio
- Min. Illumination from 0.001 lx (0 lx, IR on)
- IR LED, range up to 300 m (depends on current optical zoom value)

DIMENSIONS

IMAGE

Image Sensor	5 MPX CMOS sensor 1/2.8" SONY STARVIS
Number of Effective Pixels	2608 (H) x 1964 (V)
Min. Illumination	0.005 lx/F1.6 - color mode • 0.001 lx/F1.6 - B/W mode • 0 lx (IR on) - B/W mode
S/N Ratio	> 50 dB (AGC off)
Electronic Shutter	auto/manual: 1/5 s ~ 1/20000 s
Digital Slow Shutter (DSS)	up to 1/5 s
Wide Dynamic Range (WDR)	yes (double scan sensor), 120dB
Digital Image Stabilization (DIS)	yes
Digital Noise Reduction (DNR)	2D, 3D
Defog Function (F-DNR)	yes
Highlight Compensation (HLC)	yes
Back Light Compensation (BLC)	yes
Digital zoom	16x

LENS

Optical Zoom	40x
Lens Type	motorized, auto-iris function, f=5 ~ 200 mm/F1.68 ~ F5
Auto-focus	continuous, zoom trigger, manual trigger

DORI

DORI (Detection, Observation, Recognition, Identification)	for f = 5mm - D: 104m, O: 41.6m, R: 20.8m, I: 10.4m • for f = 200mm - D: 4160m, O: 1664m, R: 832m, I: 416m

DAY/NIGHT

Mode	day/night switching: mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
Switching Delay	0 ~ 180 s
Visible Light Sensor	yes

NETWORK

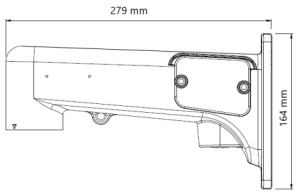
Stream Resolution	2592 x 1520, 2592 x 1944, 1920 x 1080 (Full HD), 1280 x 720 (HD), 720 x 576 (D1), 640 x 480 (VGA), 352 x 288 (CIF), 320 x 240 (QVGA)
Frame Rate	30 fps for each resolution
Multistreaming Mode	number of streams: 3 (main stream, sub stream, third stream)
Video/Audio Compression	H.264, H.265, MJPEG/G.711, RAW_PCM
Number of Simultaneous Connections	max. 5 connections, (max. 14 streams in total)

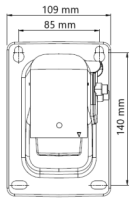
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Bitrate	for H.264 : 100 kbps - 16000 kbps • for H.265 : 100 kbps - 16000 kbps
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, Multicast, FTP, DHCP, DNS, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, RTCP, ICMP, SSL/TLS, HTML5
ONVIF Protocol Support	Profile G/S/T/M
Camera Configuration	from Edge, Firefox, Chrome, Opera browser • languages: Polish, English, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC

PTZ

Preset Commands	400
Tours	12 (up to 32 presets per tour)
Auto-Scans	12
Patterns	6
Tilt/Pan Range	-10° ~ 90°/360° (continuous)
Pan/Tilt Speed	up to 300°/s (proportional to zoom)
Preset Speed	up to 300°/s
Protocols	Pelco-D, Pelco-P

VIDEO ANALYTICS

Functions	auto tracking, line cross, zone violation, double line cross, loiter, wrong direction, illegal parking, face detection, objects distinguishing, people counting, fire detection, smoke detection, smart motion detection with objects distinguishing

OTHER FUNCTIONS

Security	IEEE 802.1X support, HTTPS support, IP and/or MAC address filtering, force change of default password
Dynamic Image Anonymization	Face Mosaic Masking, Full-body Mosaic Masking
Privacy Zones	40 video mask type: single color
Motion Detection	yes
Region of interest (ROI)	8
Audio Detection	decline detection, rise detection
Image Processing	vertical flip, horizontal flip
Prealarm/Postalarm	up to 5 MB/up to 86400 s
System Reaction to Alarm Events	e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, PTZ, playback of the audio message
Determent	predefined or custom voice messages via audio output
Restoring default settings	via web browser, using reset button

IR LED

LED Number	8
Range	up to 300 m (depends on current optical zoom value)
Smart IR	yes (hardware support)

INTERFACES

Video Output	BNC, 1.0 Vp-p, 75 Ohm
Audio Input/Output	1 x RCA/1 x RCA

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Alarm Input/Output	7 (NO/NC)/2 relay type (max. 12VDC/300mA)
RS-485	yes
Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Memory Card Slot	microSD - capacity up to 1000GB

INSTALLATION PARAMETERS

Dimensions (mm)	226 (Φ) x 362 (H) with bracket: 226 (W) x 444 (H) x 372 (L)
Weight	5.5 kg with bracket: 6.5 kg
Degree of Protection	IP 66 (details in the user's manual)
Enclosure	aluminium, white, with built-in lens wiper, In set: outdoor housing (integrated with the camera), wall mount bracket • Enclosure type: 8SD
Power Supply	24 VAC, 36 VDC, PoE++ (IEEE 802.3bt, Class 5) • (100 ~ 240 VAC/36 VDC PSU in-set included)
Surge protection	TVS 4000 V
Power Consumption	45 W
Operating Temperature	-65°C ~ 70°C
Cold start temperature	-40°C
Humidity	max. 90%, relative (non-condensing)
Built-in Heater/Fan	yes/yes