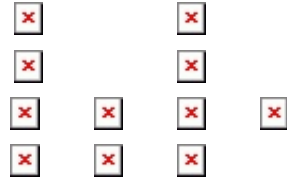


# 4 MPX Speed dome IP camera with intelligent object tracking

NVIP-4SD-6550/40



## FUNCTIONS



## COMPATIBILITY



## KEY FEATURES

- Resolution: 4 MPX
- Lens: motorized varifocal, AI and AF function, optical zoom 40x, f=4.5 ~ 180 mm/F1.2 ~ 3.5
- 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 0.001 lx (0 lx, IR on)
- IR LED, range up to 350 m (depends on current optical zoom value)

## 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.

<b>Image</b>	
Image Sensor	4 MPX CMOS sensor 1/2.7" SmartSens
Number of Effective Pixels	2560 (H) x 1440 (V)
Min. Illumination	0.005 lx/F1.2 - color mode, 0.001 lx/F1.2 - 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
<b>Lens</b>	
Optical Zoom	40x
Lens Type	motorized, auto-iris function, f=4.5 ~ 180 mm/F1.2 ~ F3.5
Auto-focus	zoom trigger, day/night mode trigger, manual trigger
<b>Day/Night</b>	
Switching Type	mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
Visible Light Sensor	yes
<b>Network</b>	
Stream Resolution	2560 x 1440 (QHD), 1920 x 1080 (Full HD), 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. 10
Bandwidth	70 Mb/s in total
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, HTML5, RTMP
ONVIF Protocol Support	Profile G/S/T
Camera Configuration	from Internet Explorer, Edge, Chrome, Opera browser languages: Polish, English, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000
Mobile applications	N-VID6 (iPhone, Android)
<b>PTZ</b>	
Preset Commands	360 including 21 special (function) presets
Tours	8 (up to 16 presets per tour)
Patterns	4 (max. 360 commands or 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
<b>Video Analytics</b>	
Functions	auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exit, cross counting, scene change, video blurred, video color cast, objects distinguishing, intrusion detection
<b>Other functions</b>	
Privacy Zones	8 video mask type: single color
Motion Detection	yes
Image Processing	180° image rotation, sharpening, mirror effect
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
<b>IR LED</b>	
LED Number	8
Range	up to 350 m (depends on current optical zoom value)
Smart IR	yes (hardware support)
<b>Interfaces</b>	
Audio Input/Output	1 x Jack (3.5 mm)/1 x Jack (3.5 mm)
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
<b>Installation parameters</b>	
Dimensions (mm)	200 (Ø) 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
Power Supply	24 VDC, PoE+ (IEEE 802.3at, Class 4)
Surge protection	TVS 6000 V
Power Consumption	12 W, 24 W (IR and heater on)
Operating Temperature	-40°C ~ 65°C
Cold start temperature	-30°C
Humidity	max. 90%, relative (non-condensing)
Built-in Heater/Fan	yes/yes