

NOVUS



4 MPX Speed dome IP camera with intelligent object tracking

NVIP-4SD-6550/40



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.

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

Image	
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
Lens	
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
Day/Night	
Switching Type	mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
Visible Light Sensor	yes
Network	
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	3 streams (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)
PTZ	
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
Other functions	
Privacy Zones	8 video mask type: single color
Motion Detection	yes
Video Content Analysis (VCA)	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
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
IR LED	
LED Number	8
Range	up to 350 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)
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 (D) x 300 (H) with bracket: 200 (W) x 500 (H) x 315 (L)
Weight	3 kg with bracket: 3.7 kg



200 mm Ø

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

