4 MPX Speed dome IP camera with intelligent object tracking

NVIP-4SD-6550/40



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)

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	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

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

NETWORK

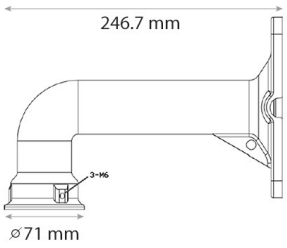
Stream Resolution	2560 x 1440 (QHD), 1920 x 1080 (Full HD), 1280 x 960, 1280 x 720 (HD), 704 x 576, 640 x 480 (VGA), 352 x 288 (CIF)
Frame Rate	30 fps for each resolution
Multistreaming Mode	number of streams: 3 (main stream, sub stream, third stream)
Video/Audio Compression	H.264, H.264+, H.265, H.265+, MJPEG/G.711
Number of Simultaneous Connections	max. 10
Bandwidth	70 Mb/s in total

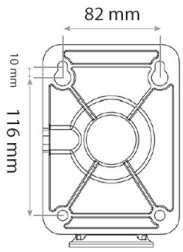
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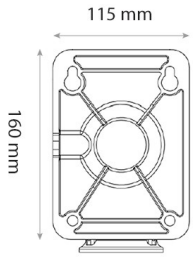
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Network Protocols Support	HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, HTML5, RTMP
ONVIF Protocol Support	Profile G/S/T
Camera Configuration	from Internet Explorer, Edge, Chrome, Opera browser • languages: Polish, English, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000
Mobile applications	ipGO 6 (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

VIDEO ANALYTICS

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

OTHER FUNCTIONS

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

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 (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

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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