4 MPX Speed Dome IP Camera with face recognition and intelligent object tracking

NVIP-4SD-6550/30/F



KEY FEATURES

- •Resolution: 4 MPX
- •Lens: motorized varifocal, AI and AF function, optical zoom 30x, f=4.7 ~ 141 mm/F1.5 ~ 4
- •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 130 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.

IMAGE

Image Sensor	4 MPX CMOS sensor 1/2.5” ON Semiconductor
Number of Effective Pixels	2560 (H) x 1440 (V)
Min. Illumination	0.01 lx/F1.5 - color mode • 0.002 lx/F1.5 - B/W mode • 0 lx (IR on) - B/W mode
Electronic Shutter	auto: 1 s ~ 1/100000 s
Digital Slow Shutter (DSS)	up to 1 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	30x
Lens Type	motorized, auto-iris function, f=4.7 ~ 141 mm/F1.5 ~ F4
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), 2304 x 1296, 1920 x 1080 (Full HD), 1280 x 720 (HD), 640 x 480 (VGA), 320 x 240 (QVGA), 480 x 240
Frame Rate	30 fps for each resolution
Multistreaming Mode	number of streams: 3
Video/Audio Compression	H.264, H.265, MJPEG/G.711
Number of Simultaneous Connections	max. 10
Bandwidth	70 Mb/s in total
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

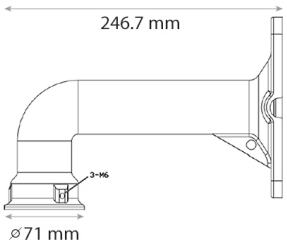
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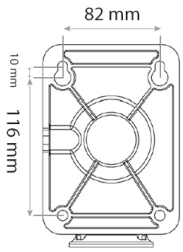
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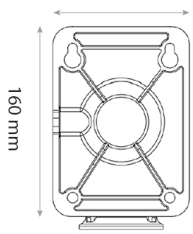


209 mm Ø









ONVIF Protocol Support	Profile S
Camera Configuration	from Internet Explorer browser • languages: Polish, English, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000
Mobile applications	SuperLive Plus (iPhone, Android)

PTZ

Preset Commands	360 including 20 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	-5° ~ 90°/360° (continuous)
Pan/Tilt Speed	up to 80°/s (proportional to zoom)
Preset Speed	up to 150°/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, zone entrance detection and object tracking, objects distinguishing, comparing faces

OTHER FUNCTIONS

Privacy Zones	4 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	5
Range	up to 130 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)	209 (Φ) x 328 (H) with bracket: 209 (W) x 500 (H) x 315 (L)
Weight	3 kg with bracket: 3.7 kg
Degree of Protection	IP 66 (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/24 VAC, PoE+ (IEEE 802.3at,Class 4)
Surge protection	TVS 6000 V

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Power Consumption	13 W • 20 W (IR illuminator on) • 30 W (IR and heater on)
Surge protection	TVS 6000 V
Operating Temperature	-30°C ~ 60°C
Cold start temperature	-25°C
Humidity	max. 90%, relative (non-condensing)
Built-in Heater/Fan	yes/yes

The camera creates a fully functional face recognition system when used with selected NOVUS IP 6000 series recorders (models with "F" in the name).