

4 MPX Speed dome IP camera with intelligent object tracking

NVIP-4SD-6550/40



6000 VSS
IP

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

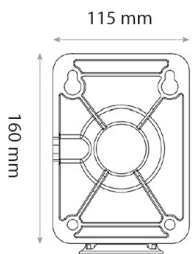
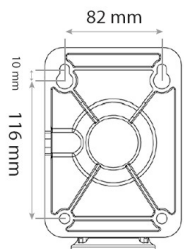
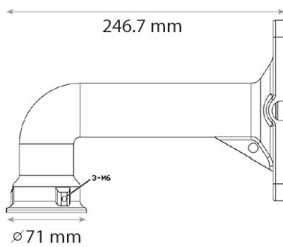
| | |
|----------------------------|--------------------------|
| Switching Type | mechanical IR cut filter |
| Switching Mode | auto, manual, time |
| Switching Level Adjustment | yes |
| Visible Light Sensor | yes |

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 | 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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| | |
|---------------------------|---|
| 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 |

