# 8 MPX IP Motor-zoom Camera with video content analysis based on Deep Learning

**NVIP-8H-6522M/F-II/7043**



## KEY FEATURES

- Resolution: 8 MPX (4K Ultra HD)
- Lens: motorized, auto-focus function, f=2.8 ~ 12 mm/F1.4
- Human/Vehicle Object Classification
- D/N function - IR cut filter
- Video content analysis based on Deep Learning
- microSD card support
- WDR with double scan sensor
- two-way audio
- Min. Illumination: 0.015 lx (0 lx, IR on)
- IR LED, range up to 70 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 | 8 MPX CMOS sensor 1/2.8” SONY STARVIS |
| Number of Effective Pixels | 3864 (H) x 2192 (V) |
| Min. Illumination | 0.015 lx/F1.4 - color mode • 0 lx (IR on) - B/W mode |
| Electronic Shutter | auto/manual: 1/3 s ~ 1/100000 s |
| Digital Slow Shutter (DSS) | up to 1/3 s |
| Wide Dynamic Range (WDR) | yes (double scan sensor), 120dB |
| Digital Image Stabilization (DIS) | yes |
| 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

| | |
|---|---|
| Lens Type | motorized, f=2.8 ~ 12 mm/F1.4 |
| Auto-focus | zoom trigger, day/night mode trigger, manual trigger |

## DORI

| | |
|---|---|
| DORI (Detection, Observation, Recognition, Identification) | for f = 2.8mm - D: 80m, O: 32m, R: 16m, I: 8m • for f = 12mm - D: 273m, O: 109m, R: 55m, I: 27m |

## DAY/NIGHT

| | |
|---|---|
| Mode | day/night switching: mechanical IR cut filter |
| Switching Mode | auto, manual, time |
| Switching Level Adjustment | yes |
| Switching Delay | 2 ~ 120 s |
| Switching Schedule | yes |
| Visible Light Sensor | yes |

## NETWORK

| | |
|---|---|
| Stream Resolution | 3840 x 2160 (4K Ultra HD), 3072 x 2048, 2560 x 1440 (QHD), 2592 x 1520, 2592 x 1944, 2304 x 1296, 1920 x 1080 (Full HD), 1280 x 720 (HD), 704 x 576, 640 x 480 (VGA), 352 x 288 (CIF), 480 x 240 |
| Frame Rate | 30 fps for each resolution |

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| | |
|---|---|
| Multistreaming Mode | number of streams: 3 |
| Video/Audio Compression | H.264, H.264+, H.265, H.265+, MJPEG/G.711 |
| Number of Simultaneous Connections | max. 10 |
| Bandwidth | 82 Mb/s in total |
| Network Protocols Support | HTTP, IPv4, IPv4/v6, UDP, HTTPS, FTP, DHCP, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, SSL/TLS, HTML5, RTMP |
| ONVIF Protocol Support | Profile G/S/T/M |
| Camera Configuration | from Internet Explorer, Edge, Firefox, Chrome, Opera, Safari 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) |

## VIDEO ANALYTICS

| | |
|---|---|
| Functions | tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, loiter, face detection, cross counting, heat map, scene change, video blurred, video color cast, objects distinguishing, intrusion detection, counting objects in the area, video metadata, illegal parking detection |

## OTHER FUNCTIONS

| | |
|---|---|
| Security | video encryption, configuration encryption, IEEE 802.1X support, HTTPS support, Basic authorization for HTTP/RTSP, Digest authorization for HTTP/RTSP, IP and/or MAC address filtering, force change of default password |
| Privacy Zones | 4 video mask type: single color or 4 video mask type: mosaic |
| Motion Detection | yes |
| Region of interest (ROI) | 8 |
| Audio Detection | decline detection, rise detection |
| Image Processing | 180˚ image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction |
| Prealarm/Postalarm | up to 6 s/up to 120 s |
| System Reaction to Alarm Events | e-mail, e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation |
| Restoring default settings | via web browser, using reset button, via NMS IPTool software |

## IR LED

| | |
|---|---|
| LED Number | 4 |
| Range | up to 70 m (depends on current optical zoom value) |
| Smart IR | yes (software support) |

## INTERFACES

| | |
|---|---|
| Video Output | BNC, 1.0 Vp-p, 75 Ohm |
| Audio Input/Output | 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) |
| Alarm Input/Output | 1 (NO/NC)/1 relay type (max. 12VDC/300mA) |
| Network Interface | 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s |
| Memory Card Slot | microSD - capacity up to 256GB |

## INSTALLATION PARAMETERS

| | |
|---|---|
| Dimensions (mm) | with bracket: 101 (W) x 89 (H) x 280 (L) |

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| | |
|---|---|
| Weight | 1.1 kg |
| Degree of Protection | IP 67 (details in the user's manual) |
| Enclosure | aluminium, grey, fully cable managed wall mount bracket in-set included , IK10 impact rating • enclosure type: 4H-B |
| Power Supply | 12 VDC, PoE (IEEE 802.3af, Class 3) |
| Surge protection | TVS 4000 V |
| Power Consumption | 8.5 W • 13 W (IR illuminator on) |
| Operating Temperature | -30°C ~ 60°C |
| Humidity | max. 95%, relative (non-condensing) |

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