# 4 MPX IP LPR bullet camera with a motor-zoom lens

## NVIP-4H-6732M/LPR-A




6000 VSS PROJECT

## KEY FEATURES

NDAA · LPR LICENCE PLATE RECOGNITION · H.265+ · IK10

4 Mpx · D/N IR-cut · 0.001 Lux · f=8~32 · IR 100 m · IP67 · IR SMART

- Resolution: 4 MPX
- Lens: motorized, auto-iris and auto-focus function, f=8 ~ 32 mm/F1.6
- D/N function - IR cut filter
- Licence plate recognition (LPR)
- 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 100 m

## COMPLIANCE

ONVIF · GMST

## 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 1/1.8” OmniVision |
| Number of Effective Pixels | 2688 (H) x 1520 (V) |
| Min. Illumination | 0.001 lx/F1.6 - color mode • 0 lx (IR on) - B/W mode |
| S/N Ratio | > 50 dB (AGC off) |
| Electronic Shutter | auto/manual: 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

| | |
|---|---|
| Lens Type | motorized, auto-iris function, f=8 ~ 32 mm/F1.6 |
| Auto-focus | zoom trigger, manual trigger |

### DAY/NIGHT

| | |
|---|---|
| Mode | day/night switching: mechanical IR cut filter |
| Switching Mode | auto, manual, time, external |
| Switching Level Adjustment | yes |
| Switching Delay | 2 ~ 6000 s |
| Visible Light Sensor | yes |

### NETWORK

| | |
|---|---|
| Stream Resolution | 2688 x 1520, 2560 x 1440 (QHD), 2304 x 1296, 1920 x 1080 (Full HD), 1280 x 720 (HD), 704 x 576, 640 x 480 (VGA), 640 x 360, 352 x 288 (CIF), 480 x 240 |
| Frame Rate | 30 fps for each resolution • 60 fps for 1920 x 1080 (Full HD) • 60 fps is available when HFR mode is enabled |
| 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 |
| Bitrate | for H.264 : 32 kbps - 8192 kbps • for H.265 : 32 kbps - 8192 kbps |

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| | |
|---|---|
| Network Protocols Support | HTTP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, P2P, HTML5, RTMP |
| ONVIF Protocol Support | Profile G/S/T/M |
| Camera Configuration | from Edge, Firefox, 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) |

## 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 |
| Motion Detection | yes |
| Region of interest (ROI) | 8 |
| Image Processing | 180˚ image rotation, 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, alarm output activation, playback of the audio message |
| Restoring default settings | via web browser, using reset button, via NMS IPTool software |

## LICENCE PLATE RECOGNITION (LPR)

| | |
|---|---|
| Autonomous operation mode | yes - recognition function implemented in the camera |
| Capacity of License Plate Database | up to 10000 license plates, on all lists. |
| Types of recognized number plates | all countries of the European Union / CIS countries |
| Barrier control | yes - built-in relay output |
| Recommended maximum speed of the vehicle | up to 120 km/h |
| Data recorded in the camera base | recognition date/time, number of recognised licence plate, presence on the "white list" or "black list" |
| Reactions for the licence plate recognition | e-mail with attachment, saving file on FTP server, alarm output activation, Wiegand output activation, saving file on SD card, playback of the audio message |

## IR LED

| | |
|---|---|
| LED Number | 4 |
| Range | up to 100 m (depends on current optical zoom value) |
| Smart IR | yes (hardware 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) |
| Control Input/Output | Wiegand 26, RS-485 |
| Network Interface | 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s |
| Memory Card Slot | microSD - capacity up to 256GB |

## INSTALLATION PARAMETERS

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| | |
|---|---|
| Dimensions (mm) | with bracket: 101 (W) x 89 (H) x 280 (L) |
| Weight | 1.2 kg |
| Degree of Protection | IP 67 (details in the user's manual) |
| Enclosure | aluminium, white, fully cable managed wall mount bracket in-set included , IK10 impact rating • enclosure type: 6H-B |
| Power Supply | 12 VDC, 24 VAC, PoE (IEEE 802.3af, Class 3) |
| Surge protection | TVS 4000 V |
| Power Consumption | 5 W • 11 W (IR illuminator on) |
| Operating Temperature | -30°C ~ 60°C |
| Humidity | max. 95%, relative (non-condensing) |

*AAT SYSTEMY BEZPIECZEŃSTWA sp. z o.o. hereby declares, that this NOVUS product does not contain any components or technologies manufactured by the entities mentioned in the Section 889 of the National Defense Authorization Act (NDAA) for Fiscal Year 2019*