



## 8 MPX Bullet IP Camera

NVIP-8H-6511/F-II



6000

VSS  
IP

### FUNCTIONS



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                                          | 0.02 lx/F1.6 - color mode,<br>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)                              | 3D                                                                                                                                                                                                                                                                                                                                                                               |
| Defog Function (F-DNR)                                     | yes                                                                                                                                                                                                                                                                                                                                                                              |
| Highlight Compensation (HLC)                               | yes                                                                                                                                                                                                                                                                                                                                                                              |
| Back Light Compensation (BLC)                              | yes                                                                                                                                                                                                                                                                                                                                                                              |
| Reduction of image flicker (Antiflicker)                   | yes                                                                                                                                                                                                                                                                                                                                                                              |
| Lens                                                       |                                                                                                                                                                                                                                                                                                                                                                                  |
| Lens Type                                                  | fixed focal, f=2.8 mm/F1.6                                                                                                                                                                                                                                                                                                                                                       |
| DORI                                                       |                                                                                                                                                                                                                                                                                                                                                                                  |
| DORI (Detection, Observation, Recognition, Identification) | for f = 2.8mm - D: 83m, O: 33m, R: 17m, I: 8m                                                                                                                                                                                                                                                                                                                                    |
| 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), 640 x 480 (VGA), 320 x 240 (QVGA), 480 x 240                                                                                                                                                                                           |
| Frame Rate                                                 | 30 fps for each resolution,<br>60 fps for the following resolutions: 1920 x 1080 (Full HD)                                                                                                                                                                                                                                                                                       |
| 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                                                                                                                                                                                                                                                                                                                                                                          |
| Bitrate                                                    | for H.264 : 128 kbps - 12288 kbps<br>for H.265 : 64 kbps - 8192 kbps                                                                                                                                                                                                                                                                                                             |
| Network Protocols Support                                  | HTTP, TCP/IP, IPv4, IPv4v6, UDP, HTTPS, FTP, DHCP, DDNS, NTP, RTSP, UPnP, SNMP, IEEE 802.1X, PPPoE, SMTP, RTPC, ICMP, SSL/TLS, HTML5                                                                                                                                                                                                                                             |
| Camera Configuration                                       | from Edge, Firefox, Chrome, Opera browser<br>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, detection of people not wearing masks, cross counting, heat map, scene change, video blurred, video color cast, objects distinguishing, people counting, vehicle counting, intrusion detection, target counting by 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, MAC/IP 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                                            | yes                                                                                                                                                                                                                                                                                                                                                                              |
| Image Processing                                           | 90° image rotation, 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                                                                                                                                                                                                                                                                                                |
| Restoring default settings                                 | via web browser, using reset button, via NMS IPTool software                                                                                                                                                                                                                                                                                                                     |
| IR LED                                                     |                                                                                                                                                                                                                                                                                                                                                                                  |
| LED Number                                                 | 2                                                                                                                                                                                                                                                                                                                                                                                |
| Range                                                      | 50 m                                                                                                                                                                                                                                                                                                                                                                             |
| Smart IR                                                   | yes (software support)                                                                                                                                                                                                                                                                                                                                                           |
| Interfaces                                                 |                                                                                                                                                                                                                                                                                                                                                                                  |
| Audio Input/Output                                         | 1 x Jack (3.5 mm)/-                                                                                                                                                                                                                                                                                                                                                              |
| 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: 81 (W) x 81 (H) x 220 (L)                                                                                                                                                                                                                                                                                                                                          |
| Weight                                                     | 0.7 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-M                                                                                                                                                                                                                                                               |
| Power Supply                                               | 12 VDC, PoE (IEEE 802.3af, Class 3)                                                                                                                                                                                                                                                                                                                                              |
| Surge protection                                           | TVS 4000 V                                                                                                                                                                                                                                                                                                                                                                       |

### KEY FEATURES

- Resolution: 8 MPX (4K Ultra HD)
- Lens: fixed focal, f=2.8 mm/F1.6
- 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
- Min. Illumination: 0.02 lx (0 lx, IR on)
- IR LED, range up to 50 m

### DIMENSIONS



|                       |                                     |
|-----------------------|-------------------------------------|
| Power Consumption     | 7 W,<br>11 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).*