

# NOVUS

## 4 MPX Vandal Proof IP Camera with white light and IR illuminator

NVIP-4VE-6202M/WL-II



6000 VSS IP

### FUNCTIONS



### KEY FEATURES

- Resolution: 4 MPX
- Lens: motorized, auto-focus function, f=2.8 ~ 12 mm/F1.4
- MicroSD card support
- D/N function - IR cut filter
- Video content analysis based on Deep Learning
- microSD card support
- WDR with double scan sensor
- Min. Illumination from 0.004 lx
- IR LED, range up to 50 m
- white LED illuminator, range up to 40 m

### 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 1/3" OmniVision                                                                                                                                                                  |
| Number of Effective Pixels                                 | 2688 (H) x 1520 (V)                                                                                                                                                                                |
| Min. Illumination                                          | 0.004 lx/F1.4 - color mode,<br>0 lx (IR on) - B/W mode                                                                                                                                             |
| Electronic Shutter                                         | auto/manual: 1/1 s ~ 1/100000 s                                                                                                                                                                    |
| Digital Slow Shutter (DSS)                                 | up to 1/1 s                                                                                                                                                                                        |
| Wide Dynamic Range (WDR)                                   | yes (double scan sensor), 120dB                                                                                                                                                                    |
| Digital Noise Reduction (DNR)                              | 3D                                                                                                                                                                                                 |
| 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                                                                                                                                                                      |
| DORI                                                       |                                                                                                                                                                                                    |
| DORI (Detection, Observation, Recognition, Identification) | for f = 2.8mm - D: 64m, O: 26m, R: 13m, I: 6m<br>for f = 12mm - D: 189m, O: 75m, R: 38m, I: 19m                                                                                                    |
| Day/Night                                                  |                                                                                                                                                                                                    |
| Mode                                                       | day/night switching: mechanical IR cut filter                                                                                                                                                      |
| Switching Mode                                             | auto, manual, time                                                                                                                                                                                 |
| Switching Level Adjustment                                 | yes                                                                                                                                                                                                |
| Switching Delay                                            | 2 ~ 6000 s                                                                                                                                                                                         |
| Switching Schedule                                         | yes                                                                                                                                                                                                |
| Network                                                    |                                                                                                                                                                                                    |
| Stream Resolution                                          | 2560 x 1440 (QHD), 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                                                                                                                                                                         |
| 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. 3                                                                                                                                                                                             |
| Bandwidth                                                  | 12 Mb/s in total                                                                                                                                                                                   |
| Network Protocols Support                                  | HTTP, TCP/IP, IPv4, IPv6, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTP, RTSP, UPnP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, P2P, SSL/TLS, HTML5, RTMP                                             |
| Camera Configuration                                       | from Internet Explorer, 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                                                  | abandoned object, object disappearance, line cross, scene change, video blurred, video color cast, objects distinguishing, intrusion detection, smart motion detection with objects distinguishing |
| Other functions                                            |                                                                                                                                                                                                    |
| Privacy Zones                                              | 4 video mask type: single color                                                                                                                                                                    |
| Motion Detection                                           | yes                                                                                                                                                                                                |
| Region of Interest (ROI)                                   | 8                                                                                                                                                                                                  |
| Image Processing                                           | 90° image rotation, 180° image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip                                                                                  |
| 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                                                                                                                          |
| 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)                                                                                                                                                                             |
| White light illuminator                                    |                                                                                                                                                                                                    |
| LED Number                                                 | 1, warm white color                                                                                                                                                                                |
| Range                                                      | 40 m                                                                                                                                                                                               |
| Smart Light                                                | yes (software support)                                                                                                                                                                             |
| Interfaces                                                 |                                                                                                                                                                                                    |
| Audio Input/Output                                         | 1 x Jack (3.5 mm)-<br>built-in microphone                                                                                                                                                          |
| Network Interface                                          | 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s                                                                                                                                                      |
| Memory Card Slot                                           | microSD - capacity up to 256GB                                                                                                                                                                     |
| Installation parameters                                    |                                                                                                                                                                                                    |
| Dimensions (mm)                                            | 112 (Φ) x 100 (H)                                                                                                                                                                                  |
| Weight                                                     | 0.7 kg                                                                                                                                                                                             |
| Degree of Protection                                       | IP 67 (details in the user's manual)                                                                                                                                                               |

|                       |                                                                            |
|-----------------------|----------------------------------------------------------------------------|
| Enclosure             | vandalproof, IK10 impact rating, aluminium, white<br>enclosure type: 6VE-M |
| Power Supply          | 12 VDC, PoE (IEEE 802.3af, Class 3)                                        |
| Surge protection      | TVS 4000 V                                                                 |
| Power Consumption     | 3.5 W,<br>9.5 W (IR illuminator on),<br>7 W (white light illuminator on)   |
| Operating Temperature | -40°C ~ 60°C                                                               |
| Humidity              | max. 95%, relative (non-condensing)                                        |