



# 6 MPX Vandal Proof IP Camera with video content analysis and active deterrence

NVIP-6VE-6202M/WLAD



## 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.

All camera stream resolutions are supported by NVRs with firmware version 1.4.10 or higher.

## COMPLIANCE



## KEY FEATURES

- Resolution: 6 MPX
- Lens: motorized, auto-focus function, f=2.8 ~ 12 mm/F1.6
- built-in microphone
- 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: 0.02 lx (0 lx, IR on)
- IR LED, range up to 40 m
- white LED illuminator, range up to 40 m

## DIMENSIONS

| Image                                                      |                                                                                                                                                                                                             |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                                               | 6 MPX CMOS sensor 1/2.39" SuperPix                                                                                                                                                                          |
| Number of Effective Pixels                                 | 3280 (H) x 1845 (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 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/F1.6                                                                                                                                                                               |
| Auto-focus                                                 | zoom trigger, manual trigger                                                                                                                                                                                |
| DORI                                                       |                                                                                                                                                                                                             |
| DORI (Detection, Observation, Recognition, Identification) | for f = 2.8mm - D: 66m, O: 27m, R: 13m, I: 7m<br>for f = 12mm - D: 204m, O: 82m, R: 41m, I: 20m                                                                                                             |
| 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                                          | 3200 x 1800 (QHD+), 2688 x 1520, 2560 x 1440 (QHD), 1920 x 1080 (Full HD), 1280 x 720 (HD), 704 x 480, 640 x 480 (VGA), 352 x 240, 480 x 240                                                                |
| Frame Rate                                                 | 20 fps for 3200 x 1800 (QHD+),<br>30 fps for other resolutions                                                                                                                                              |
| 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. 6                                                                                                                                                                                                      |
| Bitrate                                                    | for H.264 : 128 kbps - 8192 kbps<br>for H.265 : 64 kbps - 7168 kbps                                                                                                                                         |
| Network Protocols Support                                  | HTTP, IPv4, IPv4/v6, UDP, HTTPS, FTP, DHCP, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, P2P, HTMLS, RTMP                                                                         |
| Camera Configuration                                       | from Edge, Firefox, Chrome, Opera, Safari browser<br>languages: Polish, English, and others                                                                                                                 |
| Compatible Software                                        | NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000                                                                                                                                     |
| Mobile applications                                        | SuperLive Plus (iPhone, Android)                                                                                                                                                                            |
| Video Analytics                                            |                                                                                                                                                                                                             |
| Functions                                                  | tamper, 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                                            |                                                                                                                                                                                                             |
| Security                                                   | video encryption, configuration encryption, IEEE 802.1X support, HTTPS support, Basic authorization for HTTP/RTSP, MAC/IP address filtering, force change of default password, authorization Token for HTTP |
| 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, e-mail with attachment, saving file on FTP server, saving file on SD card, playback of the audio message, active deterrent functions                                                                |
| Determent                                                  | red and blue LEDs, flashing light,<br>built-in speaker (predefined or custom voice messages)                                                                                                                |
| Restoring default settings                                 | via web browser, using reset button, via NMS IPTool software, via IP Tool 6000 software                                                                                                                     |
| IR LED                                                     |                                                                                                                                                                                                             |
| LED Number                                                 | 1                                                                                                                                                                                                           |
| Range                                                      | 40 m                                                                                                                                                                                                        |
| Smart IR                                                   | yes (software support)                                                                                                                                                                                      |
| White light illuminator                                    |                                                                                                                                                                                                             |
| LED Number                                                 | 1, warm white color                                                                                                                                                                                         |
| Range                                                      | 40 m                                                                                                                                                                                                        |



112 mm (Ø)



|                                |                                                                                                                                                                                         |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Smart Light                    | yes (software support)                                                                                                                                                                  |
| <b>Interfaces</b>              |                                                                                                                                                                                         |
| Audio Input/Output             | 1 x Jack (3.5 mm)/1 x Jack (3.5 mm)<br>built-in microphone/speaker                                                                                                                      |
| Network Interface              | 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s                                                                                                                                           |
| Memory Card Slot               | microSD - capacity up to 256GB                                                                                                                                                          |
| <b>Installation parameters</b> |                                                                                                                                                                                         |
| Dimensions (mm)                | 112 (Ø) x 100 (H)                                                                                                                                                                       |
| Weight                         | 0.7 kg                                                                                                                                                                                  |
| Degree of Protection           | IP 66 (details in the user's manual)                                                                                                                                                    |
| Enclosure                      | vandalproof, IK10 impact rating, aluminium, white<br>enclosure type: 4VE-M                                                                                                              |
| Power Supply                   | 12 VDC, PoE (IEEE 802.3af, Klasa 3)                                                                                                                                                     |
| Surge protection               | TVS 4000 V                                                                                                                                                                              |
| Power Consumption              | 5 W,<br>9.5 W (IR illuminator on),<br>9.5 W (white light illuminator on),<br>8 W (active deterrence functions enabled)<br>12 W (IR illuminator and active deterrence functions enabled) |
| Operating Temperature          | -30°C ~ 60°C                                                                                                                                                                            |
| Humidity                       | max. 95%, relative (non-condensing)                                                                                                                                                     |