



# Vandal Proof IP Camera with Motor-zoom Lens

NVIP-5VE-4502M



## FUNCTIONS



## COMPATIBILITY



## KEY FEATURES

- Resolution: 5 MPx
- Lens: motorized, auto-focus function, f=2.8 ~ 12 mm/F1.8
- support for Chrome, Firefox, Opera, Safari browsers
- D/N function - IR cut filter
- Video content analysis based on Deep Learning
- Licence plate recognition (LPR)
- microSD card support
- WDR with double scan sensor
- two-way audio
- Min. Illumination: 0.03 lx (0 lx, IR on)
- IR LED, range up to 45 m
- "Two way power" - when connected to a PoE switch, it allows to power the low power receiver from the camera's power socket

## DIMENSIONS

The camera is dedicated to work with NOVUS 4000 series recorders. Detailed data can be found in the compatibility table available in the DOWNLOADABLE FILES tab.

|   |  |
|---|--|
| <b>Image</b>                                |  |
| Image Sensor                                | 5 MPx CMOS sensor 1/2.7" SmartSens   |
| Number of Effective Pixels                  | 2880 (H) x 1620 (V)  |
| Min. Illumination                           | 0.03 lx/F1.2 - color mode,<br>0 lx (IR on) - B/W mode  |
| Electronic Shutter                          | auto/manual: 1/5 s ~ 1/20000 s   |
| Digital Slow Shutter (DSS)                  | up to 1/5 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  |
| <b>Lens</b>                                 |  |
| Lens Type                                   | motorized, f=2.8 ~ 12 mm/F1.8  |
| Auto-focus                                  | zoom trigger, manual trigger   |
| <b>Day/Night</b>                            |  |
| Switching Type                              | mechanical IR cut filter   |
| Switching Mode                              | auto, manual, time   |
| Switching Delay                             | 1 ~ 36 s   |
| Visible Light Sensor                        | yes  |
| <b>Network</b>                              |  |
| Stream Resolution                           | 2880 x 1620, 2560 x 1440 (QHD), 2304 x 1296, 1920 x 1080 (Full HD), 2048 x 1536 (QXGA), 1280 x 720 (HD), 640 x 480 (VGA), 320 x 240 (QVGA)   |
| Frame Rate                                  | 30 fps for each resolution   |
| Multistreaming Mode                         | 3 streams  |
| Video/Audio Compression                     | H.264, H.264+, H.265, H.265+/G.711   |
| Number of Simultaneous Connections          | max. 10  |
| Bandwidth                                   | 60 Mb/s in total   |
| Network Protocols Support                   | HTTP, TCP/IP, IPv4, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, RTP, UPnP, SNMP, SMTP, P2P, HTML5<br>from Internet Explorer, Firefox, Chrome, Opera, Safari browser<br>languages: Polish, English, Russian, and others |
| Camera Configuration                        | NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC  |
| Compatible Software                         | RxCamView (iPhone, Android)  |
| <b>Other functions</b>                      |  |
| Privacy Zones                               | 4 video mask type: single color  |
| Motion Detection                            | yes  |
| Audio Detection                             | yes  |
| Video Content Analysis (VCA)                | abandoned object, object disappearance, line cross, zone entrance, zone exit, multi loiter, face detection, cross counting, heat map, queue length detection, objects distinguishing                               |
| Image Processing                            | 180° image rotation, vertical flip, horizontal flip  |
| Prealarm/Postalarm                          | up to 5 s/up to 30 s   |
| System Reaction to Alarm Events             | e-mail with attachment, saving file on FTP server, saving file on SD card, saving in the cloud storage   |
| Restoring default settings                  | via web browser, using reset button  |
| <b>Licence plate recognition (LPR)</b>      |  |
| 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  |
| Data recorded in the camera base            | recognition date/time, number of recognised licence plate, image 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  |
| <b>IR LED</b>                               |  |
| LED Number                                  | 4  |
| Range                                       | 45 m   |
| Smart IR                                    | yes (hardware support)   |
| <b>Interfaces</b>                           |  |
| Audio Input/Output                          | 1 x RCA/1 x RCA  |
| 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)                             | 135 (Ø) x 128 (H)  |
| Weight                                      | 0.9 kg   |
| Degree of Protection                        | IP 66 (details in the user's manual)   |
| Enclosure                                   | vandalproof aluminium, white   |
| Power Supply                                | 12 VDC, PoE (IEEE 802.3af, Class 3)  |
| Surge protection                            | TVS 4000 V   |
| Power Consumption                           | 3 W,<br>6 W (IR illuminator on)  |
| Operating Temperature                       | -30°C ~ 55°C   |



128 mm

135 mm (Ø)



**Humidity** max. 95%, relative (non-condensing)

*A memory card is required for the license plate recognition function to work. License plate recognition and face detection functions are available for cameras with firmware V31.35.8.2.3\_xxxx and newer.*