



# Vandal Proof IP Camera with PIR detector

NVIP-2VE-4231/PIR

4000 VSS IP



## FUNCTIONS



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.

## COMPATIBILITY



## KEY FEATURES

- Resolution: 2 MPX
- Lens: fixed focal, f=2.8 mm/F2.2
- built-in microphone
- D/N function - IR cut filter
- reduction of false alarms - PIR detector
- microSD card support
- Min. Illumination: 0.1 lx (0 lx, IR on)
- IR LED, range up to 30 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



| Image                                    |                                                                                                        |
|------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Image Sensor                             | 2 MPX CMOS sensor 1/2.7" SmartSens                                                                     |
| Number of Effective Pixels               | 1920 (H) x 1080 (V)                                                                                    |
| Min. Illumination                        | 0.1 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                                                                                                    |
| Digital Noise Reduction (DNR)            | 2D, 3D                                                                                                 |
| Defog Function (F-DNR)                   | yes                                                                                                    |
| Back Light Compensation (BLC)            | yes                                                                                                    |
| Reduction of image flicker (Antiflicker) | yes                                                                                                    |
| Lens                                     |                                                                                                        |
| Lens Type                                | fixed focal, f=2.8 mm/F2.2                                                                             |
| Day/Night                                |                                                                                                        |
| Switching Type                           | mechanical IR cut filter                                                                               |
| Switching Mode                           | auto, manual, time                                                                                     |
| Switching Delay                          | 1 ~ 36 s                                                                                               |
| Visible Light Sensor                     | yes                                                                                                    |
| Network                                  |                                                                                                        |
| Stream Resolution                        | 1920 x 1080 (Full HD), 640 x 480 (VGA)                                                                 |
| Frame Rate                               | 30 fps for 1920 x 1080 (Full HD),<br>20 fps for 640 x 480 (VGA)                                        |
| Multistreaming Mode                      | 2 streams                                                                                              |
| Video/Audio Compression                  | H.264, H.265/G.711                                                                                     |
| Number of Simultaneous Connections       | max. 10                                                                                                |
| Bandwidth                                | 40 Mb/s in total                                                                                       |
| Network Protocols Support                | HTTP, TCP/IP, IPv4, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTP, RTSP, UPnP, SMTP                            |
| Camera Configuration                     | from Internet Explorer browser<br>languages: Polish, English, Russian, and others                      |
| Compatible Software                      | NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC                                                |
| Other functions                          |                                                                                                        |
| Privacy Zones                            | 4 video mask type: single color                                                                        |
| Motion Detection                         | yes                                                                                                    |
| PIR detector                             | range up to 7 m                                                                                        |
| 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                                                                    |
| IR LED                                   |                                                                                                        |
| LED Number                               | 2                                                                                                      |
| Range                                    | 30 m                                                                                                   |
| Smart IR                                 | yes (hardware support)                                                                                 |
| Interfaces                               |                                                                                                        |
| Audio Input/Output                       | 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)                          | 100 (Ø) x 90 (H)                                                                                       |
| Weight                                   | 0.43 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                        | 1.5 W,<br>4 W (IR illuminator on)                                                                      |
| Operating Temperature                    | -30°C ~ 55°C                                                                                           |
| Humidity                                 | max. 95%, relative (non-condensing)                                                                    |