

## Vandal Proof IP Camera Starlight PRO DUO

**NVIP-2VE-4231/WL**

4000 VSS IP



### KEY FEATURES



- Resolution: 2 MPx
- Lens: fixed focal,  $f=3.6$  mm/F1.0
- built-in microphone
- D/N function - IR cut filter
- microSD card support
- Min. Illumination: 0.0005 lx (0 lx, IR on)
- IR LED, range up to 30 m
- white LED illuminator, range up to 25 m
- "Two way power" - when connected to a PoE switch, it allows to power the low power receiver from the camera's power socket

### COMPLIANCE



### 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.

### IMAGE

|                                          |                                                       |
|------------------------------------------|-------------------------------------------------------|
| Image Sensor                             | 2 MPx CMOS sensor 1/2.7" SmartSens                    |
| Number of Effective Pixels               | 1920 (H) x 1080 (V)                                   |
| Min. Illumination                        | 0.0005 lx/F1.0 - color mode • 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                                                   |
| Highlight Compensation (HLC)             | yes                                                   |
| Back Light Compensation (BLC)            | yes                                                   |
| Reduction of image flicker (Antiflicker) | yes                                                   |

### LENS

|           |                              |
|-----------|------------------------------|
| Lens Type | fixed focal, $f=3.6$ mm/F1.0 |
|-----------|------------------------------|

### DAY/NIGHT

|                      |                                               |
|----------------------|-----------------------------------------------|
| Mode                 | day/night switching: mechanical IR cut filter |
| Switching Mode       | auto, manual, time                            |
| Switching Delay      | 1 ~ 36 s                                      |
| Switching Schedule   | yes                                           |
| Visible Light Sensor | yes                                           |

### NETWORK

|                                    |                                                                                        |
|------------------------------------|----------------------------------------------------------------------------------------|
| Stream Resolution                  | 1920 x 1080 (Full HD), 640 x 480 (VGA)                                                 |
| Multistreaming Mode                | number of streams: 2                                                                   |
| 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, RTSP, RTP, UPnP, SNMP, SMTP, P2P |
| ONVIF Protocol Support             | Profile G/S                                                                            |
| Camera Configuration               | from Internet Explorer browser • languages: Polish, English, Russian, and others       |

# Vandal Proof IP Camera Starlight PRO DUO NVIP-2VE-4231/WL



|                     |                             |
|---------------------|-----------------------------|
| Compatible Software | NOVUS MANAGEMENT SYSTEM VSS |
| Mobile applications | ipGO 4 (iPhone, Android)    |

## OTHER FUNCTIONS

|                                 |                                                                                                        |
|---------------------------------|--------------------------------------------------------------------------------------------------------|
| Privacy Zones                   | 4 video mask type: single color                                                                        |
| Motion Detection                | yes                                                                                                    |
| 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 |
| Determent                       | white LEDs, steady/flashing light,                                                                     |
| Restoring default settings      | via web browser, using reset button                                                                    |

## IR LED

|            |                        |
|------------|------------------------|
| LED Number | 2                      |
| Range      | 30 m                   |
| Smart IR   | yes (hardware support) |

## WHITE LIGHT ILLUMINATOR

|             |                        |
|-------------|------------------------|
| LED Number  | 2, warm white color    |
| Range       | 25 m                   |
| Smart Light | 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 (Φ) x 90 (H)                                                                                                    |
| Weight                | 0.42 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     | 1.2 W • 3.5 W (IR illuminator on) • 3.3 W (white light illuminator on) • 5.6 W (IR and white light illuminators on) |
| Operating Temperature | -30°C ~ 60°C                                                                                                        |
| Humidity              | max. 95%, relative (non-condensing)                                                                                 |