

# NOVUS

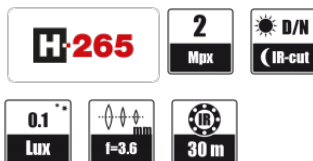
## Bullet IP Camera

NVIP-2H-4231

4000 VSS  
IP



### FUNCTIONS



### COMPLIANCE



### KEY FEATURES

- Resolution: 2 MPx
- Lens: fixed focal,  $f=3.6$  mm/F2.2
- built-in microphone
- D/N function - IR cut filter
- 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



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  | 0.1 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, $f=3.6$ mm/F2.2  |
| DORI   |   |
| DORI (Detection, Observation, Recognition, Identification) | for $f = 2.8$ mm - D: 48m, O: 19m, R: 9.6m, I: 4.8m   |
| Day/Night  |   |
| Mode   | day/night switching: 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)  |
| Number of Streams  | number of streams: 2 (main stream, sub stream)  |
| Video/Audio Compression                                    | H.264, H.265/G.711  |
| Number of Simultaneous Connections                         | max. 2 connections, (max. 20 streams in total)  |
| Bandwidth  | 32 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   |
| 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)  | with bracket: 71 (Ø) x 150 (L)  |
| Weight   | 0.4 kg  |
| Degree of Protection                                       | IP 66 (details in the user's manual)  |
| Enclosure  | aluminium, white, fully cable managed wall mount bracket in-set included, IK10 impact rating enclosure type: 4H-B |
| Power Supply   | 12 VDC, PoE (IEEE 802.3af, Klasa 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)   |