

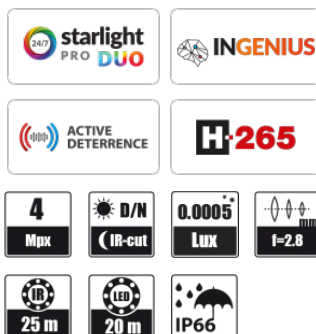


4 MPX IP camera with Deep Learning-based image analysis and active deterrence

NVIP-4H-4231/WLAD



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.

| Image | |
|--|---|
| Image Sensor | 4 MPX CMOS sensor 1/3" SmartSens |
| Number of Effective Pixels | 2560 (H) x 1440 (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 |
| Highlight Compensation (HLC) | yes |
| Back Light Compensation (BLC) | yes |
| Reduction of image flicker (Antiflicker) | yes |
| Lens | |
| Lens Type | fixed focal, f=2.8 mm/F1.0 |
| DORI | |
| DORI (Detection, Observation, Recognition, Identification) | for f = 2.8mm - D: 56m, O: 22.4m, R: 11m, I: 5.6m |
| Day/Night | |
| Mode | day/night switching: mechanical IR cut filter |
| Switching Mode | auto, manual, time |
| Switching Delay | 1 ~ 36 s |
| Network | |
| Stream Resolution | 2560 x 1440 (QHD), 640 x 480 (VGA) |
| Frame Rate | 25 fps for each resolution |
| Multistreaming Mode | number of streams: 2 (main stream, sub stream) |
| Video/Audio Compression | H.264, H.265/G.711 |
| Number of Simultaneous Connections | max. 3 connections, (max. 10 streams in total) |
| Bandwidth | 15 Mb/s in total |
| Network Protocols Support | HTTP, TCP/IP, IPv4, HTTPS, DHCP, DNS, DDNS, NTP, RTSP, RTP, SMTP, P2P |
| Camera Configuration | from Internet Explorer browser languages: Polish, English, and others |
| Compatible Software | NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC |
| Mobile applications | RxCamView (iPhone, Android) |
| Video Analytics | |
| Functions | line cross, zone entrance, zone exit, zone violation, objects distinguishing, intrusion detection, smart motion detection with objects distinguishing |
| Other functions | |
| Privacy Zones | 4 video mask type: single color |
| Motion Detection | yes |
| Audio 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 SD card, active deterrent functions |
| Determent | white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren) |
| Restoring default settings | via web browser, using reset button |
| IR LED | |
| LED Number | 1 |
| Range | 25 m |
| Smart IR | yes (hardware support) |
| White light illuminator | |
| LED Number | 2, warm white color |
| Range | 20 m |
| Smart Light | yes (hardware support) |
| Interfaces | |
| Audio Input/Output | built-in microphone/speaker |
| 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 (Φ) x 150 (L) |
| Weight | 0.36 kg |
| Degree of Protection | IP 66 (details in the user's manual) |
| Enclosure | aluminium, white, fully cable managed wall mount bracket in-set included enclosure type: 4H-B |

COMPLIANCE



KEY FEATURES

- Resolution: 4 MPX
- Lens: fixed focal, f=2.8 mm/F1.0
- active deterrence
- D/N function - IR cut filter
- Video content analysis based on Deep Learning
- microSD card support
- two-way audio
- Min. Illumination: 0.0005 lx (0 lx, IR on)
- IR LED, range up to 25 m
- white LED illuminator, range up to 20 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



71 mm (Ø)



71 mm (Ø)



150 mm

| | |
|-----------------------|--|
| Power Supply | 12 VDC, PoE (IEEE 802.3af, Klasa 3) |
| Surge protection | TVS 4000 V |
| Power Consumption | 1.5 W, 3 W (IR illuminator on), 5.5 W (white light illuminator on), 6.5 W (active deterrence functions enabled) |
| Operating Temperature | -35°C ~ 60°C |
| Humidity | max. 95%, relative (non-condensing) |