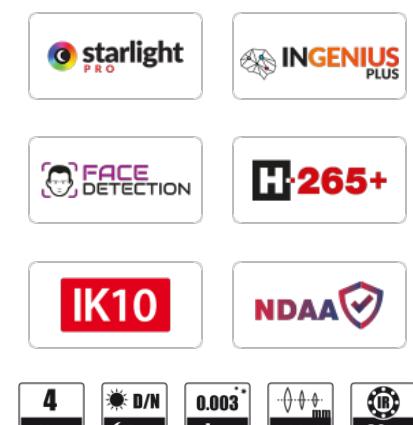


4 MPX IP Camera with video content analysis based on Deep Learning

NVIP-4D-6502M/F-II



KEY FEATURES



- Resolution: 4 MPX
- Lens: motorized, auto-iris and auto-focus function, f=2.8 ~ 12 mm/F1.3
- built-in microphone
- D/N function - IR cut filter
- Video content analysis based on Deep Learning
- microSD card support
- WDR with double scan sensor
- two-way audio
- Min. Illumination: 0.003 lx (0 lx, IR on)
- IR LED, range up to 30 m

DIMENSIONS



The camera is dedicated to work with NOVUS 6000 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 | 2688 (H) x 1520 (V) |
| Min. Illumination | 0.003 lx/F1.3 - color mode • 0 lx (IR on) - B/W mode |
| Electronic Shutter | auto: 1/2 s ~ 1/100000 s |
| Digital Slow Shutter (DSS) | up to 1/2 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 |

LENS

| | |
|-----------|---|
| Lens Type | motorized, auto-iris function, f=2.8 ~ 12 mm/F1.3 |
|-----------|---|

DORI

| | |
|--|--|
| DORI (Detection, Observation, Recognition, Identification) | for f = 2.8mm - D: 58m, O: 23m, R: 11m, I: 5m • for f = 12mm - D: 205m, O: 82m, R: 41m, I: 20m |
|--|--|

DAY/NIGHT

| | |
|----------------------------|---|
| Mode | day/night switching: mechanical IR cut filter |
| Switching Mode | auto, manual, time |
| Switching Level Adjustment | yes |
| Switching Delay | 2 ~ 120 s |
| Switching Schedule | yes |
| Visible Light Sensor | yes |

NETWORK

| | |
|------------------------------------|---|
| Stream Resolution | 2560 x 1440 (QHD), 2592 x 1520, 2304 x 1296, 1920 x 1080 (Full HD), 1280 x 720 (HD), 640 x 480 (VGA), 320 x 240 (QVGA), 480 x 240 |
| Frame Rate | 30 fps for each resolution |
| Multistreaming Mode | number of streams: 3 |
| Video/Audio Compression | H.264, H.264+, H.265, H.265+, MJPEG/G.711 |
| Number of Simultaneous Connections | max. 10 |



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| | |
|---------------------------|--|
| Bandwidth | 50 Mb/s in total |
| Network Protocols Support | HTTP, TCP/IP, IPv4, IPv4/v6, UDP, HTTPS, FTP, DHCP, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, HTML5 |
| Camera Configuration | from Internet Explorer, Chrome, Opera, Safari browser • languages: Polish, English, and others |
| Compatible Software | NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000 |
| Mobile applications | ipGO 6 (iPhone, Android) |

VIDEO ANALYTICS

| | |
|-----------|---|
| Functions | tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, object counting, face detection, detection of people not wearing masks, pedestrian detection, cross counting, heat map, scene change, video blurred, video color cast, objects distinguishing, people counting, vehicle counting, intrusion detection, counting objects in the area, video metadata |
|-----------|---|

OTHER FUNCTIONS

| | |
|---------------------------------|---|
| Privacy Zones | 4 video mask type: single color or 4 video mask type: mosaic |
| Motion Detection | yes |
| Region of interest (ROI) | 8 |
| Image Processing | 180° image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction |
| Prealarm/Postalarm | up to 6 s/up to 120 s |
| System Reaction to Alarm Events | e-mail, e-mail with attachment, saving file on FTP server, saving file on SD card |
| Restoring default settings | via web browser, using reset button, via NMS IPTool software |

IR LED

| | |
|------------|------------------------|
| LED Number | 4 |
| Range | 30 m |
| Smart IR | yes (software support) |

INTERFACES

| | |
|--------------------|---|
| Audio Input/Output | 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone |
| Alarm Input/Output | 1 (NO/NC)/1 relay type (max. 12VDC/300mA) |
| Network Interface | 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s |
| Memory Card Slot | microSD - capacity up to 256GB |

INSTALLATION PARAMETERS

| | |
|-----------------------|-------------------------------------|
| Dimensions (mm) | 122 (Φ) x 96 (H) |
| Weight | 0.38 kg |
| Enclosure | plastic, white • Enclosure type: 6D |
| Power Supply | 12 VDC, PoE (IEEE 802.3af, Class 3) |
| Surge protection | TVS 4000 V |
| Power Consumption | 6 W • 9 W (IR illuminator on) |
| Operating Temperature | -10°C ~ 40°C |
| Humidity | max. 95%, relative (non-condensing) |



4 MPX IP Camera with video content analysis based on
Deep Learning
NVIP-4D-6502M/F-II

The camera creates a fully functional face recognition system when used with selected NOVUS IP 6000 series recorders (models with "F" in the name).



AAT SYSTEMY BEZPIECZEŃSTWA sp. z o.o.

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