

# 2 MPX IP Motor-zoom Camera with video content analysis based on Deep Learning

### NVIP-2VE-6502M/F



#### **KEY FEATURES**



Resolution: 2 MPX
Lens: motorized, auto-iris and auto-focus function, f=2.8 ~ 12 mm/F1.4
Human/Vehicle Object Classification
D/N function - IR cut filter
Video content analysis based on Deep Learning
microSD card support
WDR with double scan sensor
Min. Illumination: 0.003 lx (0 lx, IR on)
IR LED, range up to 50 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   |  |
|---|--|
| Image Sensor  | 2 MPX CMOS sensor 1/2.8" SONY STARVIS  |
| Number of Effective Pixels                                    | 1945 (H) x 1097 (V)  |
| Min. Illumination   | 0.003 lx/F1.4 - color mode • 0 lx (IR on) - B/W mode   |
| Electronic Shutter  | auto/manual: 1/3 s ~ 1/100000 s  |
| Digital Slow Shutter (DSS)                                    | up to 1/3 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<br>(Antiflicker)                   | yes  |
| LENS  |  |
| Lens Type   | motorized, auto-iris function, f=2.8 $\sim$ 12 mm/F1.4   |
| Auto-focus  | zoom trigger, day/night mode trigger, manual trigger   |
| DORI  |  |
| DORI (Detection, Observation,<br>Recognition, Identification) | for f = 2.8mm - D: 43.1m, O: 17.1m, R: 8.6m, I: 4.3m • for f = 12mm<br>- D: 137.5m, O: 54.6m, R: 27.5m, I: 13.8m |
| 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   | 1920 x 1080 (Full HD), 1280 x 720 (HD), 640 x 480 (VGA), 320 x 240 (QVGA), 480 x 240                             |
| Multistreaming Mode   | number of streams: 3   |
| Video/Audio Compression                                       | H.264, H.264+, H.264 Smart, H.265, H.265+, H.265 Smart,<br>MJPEG/G.711   |
|   |  |



**VAAT** 



## 2 MPX IP Motor-zoom Camera with video content analysis based on Deep Learning NVIP-2VE-6502M/F

| Bandwidth                       | 60 Mb/s in total   |
|---------------------------------|--|
| Network Protocols Support       | HTTP, TCP/IP, IPv4, IPv4/v6, UDP, HTTPS, Multicast, FTP, DHCP, DNS,<br>DDNS, NTP, RTSP, UPnP, SNMP, QoS/DSCP, IEEE 802.1X, PPPoE, SMTP<br>RTCP, ICMP, Unicast, SSL/TLS   |
| Camera Configuration            | from Internet Explorer browser ${\mbox{ \bullet }}$ languages: Polish, English, Russian, and others  |
| Compatible Software             | NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000  |
| Mobile applications             | SuperLive Plus (iPhone, Android)   |
| VIDEO ANALYTICS                 |  |
| Functions                       | tamper, abandoned object, object disappearance, line cross, zone<br>entrance, zone exit, object counting, face detection, pedestrian<br>detection, cross counting, scene change, video blurred, video color<br>cast, objects distinguishing, people counting, vehicle detection,<br>vehicle counting |
| OTHER FUNCTIONS                 |  |
| Privacy Zones                   | 4 video mask type: single color or 1 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                      | 2  |
| Range                           | 50 m   |
| Angle                           | 90°  |
| Smart IR                        | yes (software support)   |
| INTERFACES                      |  |
| Audio Input/Output              | 1 x Jack (3.5 mm)/- • built-in microphone  |
| Network Interface               | 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s  |
| Memory Card Slot                | microSD - capacity up to 128GB   |
| INSTALLATION PARAMETERS         |  |
| Dimensions (mm)                 | 112 (Ф) х 100 (Н)  |
| Weight                          | 0.7 kg   |
| Degree of Protection            | IP 67 (details in the user's manual)   |
| Enclosure                       | vandalproof, IK10 impact rating, aluminium, white • enclosure type: 6VE-M  |
| Power Supply                    | 12 VDC, PoE (IEEE 802.3af, Klasa 3)  |
| Surge protection                | TVS 4000 V   |
| Power Consumption               | 6 W • 11 W (IR illuminator on)   |

-30°C ~ 60°C



Operating Temperature



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Humidity

max. 95%, relative (non-condensing)

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

