

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

### NVIP-5V-6502M/F



#### **KEY FEATURES**



•Resolution: 5 MPX +Lens: motorized, auto-iris and auto-focus function, f=2.8  $\sim$  12 mm/F1.4 •built-in microphone •Video content analysis based on Deep Learning microSD card support •WDR with double scan sensor two-way audio •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 Sensor	5 MPX CMOS sensor 1/2.7" OmniVision
Number of Effective Pixels	2688 (H) x 1944 (V)
Min. Illumination	0.007 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 (Antiflicker)	yes
LENS	
Lens Type	motorized, auto-iris function, f=2.8 ~ 12 mm/F1.4
Auto-focus	zoom trigger, day/night mode trigger, manual trigger
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, 2592 x 1944, 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 • 60 fps for and lower resolutions
Multistreaming Mode	number of streams: 3
Video/Audio Compression	H.264, H.264+, H.264 Smart, H.265, H.265+, H.265 Smart, MJPEG/G.711
Number of Simultaneous Connection	onsmax. 10
Bandwidth	60 Mb/s in total





# 5 MPX IP Motor-zoom Camera with video content analysis based on Deep Learning NVIP-5V-6502M/F

Network Protocols Support	HTTP, TCP/IP, IPv4, IPv4/v6, UDP, HTTPS, Multicast, FTP, DHCP, DDN
	NTP, RTSP, SNMP, QoS/DSCP, IEEE 802.1X, PPPoE, SMTP, RTCP, ICMP Unicast, SSL/TLS
Camera Configuration	from Internet Explorer browser • 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 entrance, zone exit, object counting, face detection, detection of people not wearing masks, pedestrian detection, cross counting, scene change, video blurred, video color cast, objects distinguishing people counting, vehicle detection, vehicle counting, target counting by area
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, alarm output activation
Restoring default settings	via web browser, using reset button, via NMS IPTool software
IR LED	
LED Number	3
Range	50 m
Smart IR	yes (software support)
INTERFACES	
Video Output	
Audio Input/Output	BNC, 1.0 Vp-p, 75 Ohm
	BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone
	1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone
Alarm Input/Output Network Interface	1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone 1 (NO/NC)/1 relay type (max. 12VDC/300mA)
Alarm Input/Output Network Interface Memory Card Slot	1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB
Alarm Input/Output Network Interface	1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB
Alarm Input/Output Network Interface Memory Card Slot <b>INSTALLATION PARAMETERS</b> Dimensions (mm)	1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB
Alarm Input/Output Network Interface Memory Card Slot <b>INSTALLATION PARAMETERS</b> Dimensions (mm) Weight	1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone1 (NO/NC)/1 relay type (max. 12VDC/300mA)1 x Ethernet - RJ-45 interface, 10/100 Mbit/smicroSD - capacity up to 256GB141 (Φ) x 100 (H)
Alarm Input/Output Network Interface Memory Card Slot <b>INSTALLATION PARAMETERS</b> Dimensions (mm) Weight	1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB 141 (Φ) x 100 (H) 1 kg
Alarm Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection	<ul> <li>1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone</li> <li>1 (NO/NC)/1 relay type (max. 12VDC/300mA)</li> <li>1 x Ethernet - RJ-45 interface, 10/100 Mbit/s</li> <li>microSD - capacity up to 256GB</li> <li>141 (Φ) x 100 (H)</li> <li>1 kg</li> <li>IP 67 (details in the user's manual)</li> <li>vandalproof, IK10 impact rating, aluminium, white, poly-carbonate</li> </ul>
Alarm Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure Power Supply	1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone         1 (NO/NC)/1 relay type (max. 12VDC/300mA)         1 x Ethernet - RJ-45 interface, 10/100 Mbit/s         microSD - capacity up to 256GB         141 (Φ) x 100 (H)         1 kg         IP 67 (details in the user's manual)         vandalproof, IK10 impact rating, aluminium, white, poly-carbonate bubble
Alarm Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure Power Supply	<ul> <li>1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone</li> <li>1 (NO/NC)/1 relay type (max. 12VDC/300mA)</li> <li>1 x Ethernet - RJ-45 interface, 10/100 Mbit/s</li> <li>microSD - capacity up to 256GB</li> <li>141 (Φ) x 100 (H)</li> <li>1 kg</li> <li>IP 67 (details in the user's manual)</li> <li>vandalproof, IK10 impact rating, aluminium, white, poly-carbonate bubble</li> <li>12 VDC, PoE (IEEE 802.3af, Klasa 3)</li> </ul>
Alarm Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure Power Supply Surge protection	<ul> <li>1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone</li> <li>1 (NO/NC)/1 relay type (max. 12VDC/300mA)</li> <li>1 x Ethernet - RJ-45 interface, 10/100 Mbit/s</li> <li>microSD - capacity up to 256GB</li> <li>141 (Φ) x 100 (H)</li> <li>1 kg</li> <li>IP 67 (details in the user's manual)</li> <li>vandalproof, IK10 impact rating, aluminium, white, poly-carbonate bubble</li> <li>12 VDC, PoE (IEEE 802.3af, Klasa 3)</li> <li>TVS 4000 V</li> </ul>





5 MPX IP Motor-zoom Camera with video content analysis based on Deep Learning NVIP-5V-6502M/F

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

