

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

NVIP-8H-6522M/F-II



KEY FEATURES



Resolution: 8 MPX (4K Ultra HD)
Lens: motorized, 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
two-way audio
Min. Illumination: 0.015 lx (0 lx, IR on)
IR LED, range up to 70 m (depends on current optical zoom value)

COMPATIBILITY



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	8 MPX CMOS sensor 1/2.8" SONY STARVIS
Number of Effective Pixels	3864 (H) x 2192 (V)
Min. Illumination	0.015 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 Image Stabilization (DIS)	yes
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, f=2.8 ~ 12 mm/F1.4
Auto-focus	zoom trigger, day/night mode trigger, manual trigger
DAY/NIGHT	
Switching Type	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	3840 x 2160 (4K Ultra HD), 3072 x 2048, 2560 x 1440 (QHD), 2592 x 1520, 2592 x 1944, 2304 x 1296, 1920 x 1080 (Full HD), 1280 x 720 (HD), 704 x 576, 640 x 480 (VGA), 352 x 288 (CIF), 480 x 240
Frame Rate	30 fps for each resolution • 60 fps for 1920 x 1080 (Full HD), 1280 x 720 (HD)
Multistreaming Mode	3 streams
Video/Audio Compression	H.264, H.264+, H.265, H.265+, MJPEG/G.711
Number of Simultaneous Connection	onsmax. 10



GO TO THE WEBSITE



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Bandwidth	82 Mb/s in total
Network Protocols Support	HTTP, IPv4, IPv4/v6, UDP, HTTPS, FTP, DHCP, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, HTML5, RTMP
Camera Configuration	from Internet Explorer, Edge, Firefox, Chrome, Opera, Safari browser • languages: Polish, English, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000
Mobile applications	N-VID6 (iPhone, Android)
OTHER FUNCTIONS	
Privacy Zones	4 video mask type: single color or 4 video mask type: mosaic
Motion Detection	yes
Region of interest (ROI)	8
Audio Detection	yes
Video Content Analysis (VCA)	tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, loiter, face detection, cross counting, heat map, scene change, video blurred, video color cast, objects distinguishing, intrusion detection, target counting by area, video metadata, illegal parking detection
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
	4
IR LED	
IR LED LED Number	4
IR LED LED Number Range	4 up to 70 m (depends on current optical zoom value)
IR LED LED Number Range Smart IR	4 up to 70 m (depends on current optical zoom value)
IR LED LED Number Range Smart IR INTERFACES	4 up to 70 m (depends on current optical zoom value) yes (software support)
IR LED LED Number Range Smart IR INTERFACES Video Output	4 up to 70 m (depends on current optical zoom value) yes (software support) BNC, 1.0 Vp-p, 75 Ohm
IR LED LED Number Range Smart IR INTERFACES Video Output Audio Input/Output	4 up to 70 m (depends on current optical zoom value) yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm)
IR LED LED Number Range Smart IR INTERFACES Video Output Audio Input/Output Alarm Input/Output	4 up to 70 m (depends on current optical zoom value) yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA)
IR LED LED Number Range Smart IR INTERFACES Video Output Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot	4 up to 70 m (depends on current optical zoom value) yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
IR LED LED Number Range Smart IR INTERFACES Video Output Audio Input/Output Alarm Input/Output Network Interface	4 up to 70 m (depends on current optical zoom value) yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
IR LED LED Number Range Smart IR INTERFACES Video Output Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS	4 up to 70 m (depends on current optical zoom value) yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB
IR LED LED Number Range Smart IR INTERFACES Video Output Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight	4 up to 70 m (depends on current optical zoom value) yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 101 (W) x 89 (H) x 280 (L) 1.1 kg
IR LED LED Number Range Smart IR INTERFACES Video Output Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm)	4 up to 70 m (depends on current optical zoom value) yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 101 (W) x 89 (H) x 280 (L)
IR LED LED Number Range Smart IR INTERFACES Video Output Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection	4 up to 70 m (depends on current optical zoom value) yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 101 (W) x 89 (H) x 280 (L) 1.1 kg IP 67 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set
IR LED LED Number Range Smart IR INTERFACES Video Output Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure	4 up to 70 m (depends on current optical zoom value) yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 101 (W) x 89 (H) x 280 (L) 1.1 kg IP 67 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set included , IK10 impact rating
IR LED LED Number Range Smart IR INTERFACES Video Output Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure Power Supply	4 up to 70 m (depends on current optical zoom value) yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 101 (W) x 89 (H) x 280 (L) 1.1 kg IP 67 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set included , IK10 impact rating 12 VDC, PoE (IEEE 802.3af, Class 3)
IR LED LED Number Range Smart IR INTERFACES Video Output Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure Power Supply Surge protection	4 up to 70 m (depends on current optical zoom value) yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 101 (W) x 89 (H) x 280 (L) 1.1 kg IP 67 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set included , IK10 impact rating 12 VDC, PoE (IEEE 802.3af, Class 3) TVS 4000 V





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

