NOVUS

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

NVIP-6H-6522M/F/7043





KEY FEATURES





















- •Resolution: 6 MPX
- •Lens: motorized, auto-iris and auto-focus function, f=2.8 \sim 12 mm/F1.6
- 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: 0.008 lx (0 lx, IR on)
- •IR LED, range up to 70 m

COMPLIANCE

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.

All camera stream resolutions are supported by NVRs with firmware version 1.4.10 or higher.

IMAGE

IMAGE	
Image Sensor	6 MPX CMOS sensor 1/2.5" SmartSens
Min. Illumination	0.008 lx/F1.6 - color mode • 0 lx (IR on) - B/W mode
Electronic Shutter	auto/manual: 1/4 s ~ 1/100000 s
Digital Slow Shutter (DSS)	up to 1/4 s
Wide Dynamic Range (WDR)	yes (double scan sensor), 120dB
Digital Noise Reduction (DNR)	3D
Defog Function (F-DNR)	yes
Highlight Compensation (HLC)	yes
Back Light Compensation (BLC)	yes
Reduction of image flicker (Antiflicker)	yes
LENC	

LENS

Lens Type	motorized, auto-iris function, f=2.8 \sim 12 mm/F1.6
Auto-focus	zoom trigger, day/night mode trigger, manual trigger

DORI

DORI (Detection, Observation,	for f = 2.8mm - D: 66m, O: 27m, R: 13m, I: 7m • for f = 12mm - D:
Recognition, Identification)	204m, 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
Visible Light Sensor	yes

NETWORK

Stream Resolution	3296 x 1856, 3200 x 1800 (QHD+), 2880 x 1624, 2688 x 1520, 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
Multistreaming Mode	number of streams: 3
Video/Audio Compression	H.264, H.264+, H.265, H.265+, MJPEG/G.711





6 MPX IP Motor-zoom Camera with video content analysis based on Deep Learning NVIP-6H-6522M/F/7043

Bandwidth 62 Mb/s in total Network Protocols Support HTP, IPV4, IPV4/NG, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, RTP, UPNP, SMPP, QoS, IEEE 802.1X, PPP0E, SMTP, RTCP, SSL/TLS, HTMLS, RTMP ONVIF Protocol Support Profile G/S/T/M Camera Configuration from Internet Explorer, Edge, Firefox, Chrome, Opera, Safari browser innguages: 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, loiter, face detection, detection of people not wearing masks, cross counting, heat map, scene change, lideo blurred, video color cast, objects distinguishing, people counting, vehicle counting, therat map, scene change, video metadata, illegal parking detection OTHER FUNCTIONS Security video encryption, configuration encryption, IEEE 802.1X support, HTTPS support, Basic authorization for HTTP/RTSP, Digest authorization for HTTP/RTSP, Digest authorization for HTTP/RTSP, Digest authorization for Interest (ROI) Roton Detection yes Motion Detection yes Modion Detection yes Madio Detection yes 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 on SD card, alarm output activation Restoring default settings via web browser, using reset button, via NMS IPTool software IR LED LED Number 4 Range 70 m Smart IR yes (software support) INTERFACES Video Output BNC, 1.0 Vp-p, 75 Ohm Audio Input/Output 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone Alarm Input/Output 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone Alarm Input/Output 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone Alarm Input/Output 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone Alarm Input/Output 1 x Jack (3.5	Number of Simultaneous Connection	nsmax. 10
RTP, UPPP, SMNP, QoS, IEEE 802.1X, PPPOE, SMTP, RTCP, SSL/TLS, HTMLS, RTMP ONVIF Protocol Support Profile G/S/T/M 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 ipGO 6 (iPhone, Android) VIDEO ANALYTICS Functions tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, loiter, face detection, detection of people not wearing masks, cross counting, heat map, scene change, video blurred, video color cast, object distinguishing, people counting, vehicle counting, intrusion detection, target counting by area, video metadata, illegal parking detection OTHER FUNCTIONS Security video encryption, configuration encryption, IEEE 802.1X support, HTTPS support, Basic authorization for HTTP/RTSP, Digest authorization for HTTP/RTSP, MAC/IP address filtering, force change of default password Privacy Zones 4 video mask type: single color or 4 video mask type: mosaic west of interest (ROI) 8 Audio Detection yes 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 4 Range 70 m Smart IR yes (software support) INTERFACES Video Output BNC, 1.0 Vp-p, 75 Ohm Audio Input/Output 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone Alarm Input/Output 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s Memory Card Slot microSD - capacity up to 256GB INSTALLATION PARAMETERS Dimensions (mm) with bracket: 101 (W) x 89 (H) x 280 (L)	Bandwidth	62 Mb/s in total
Camera Configuration from Internet Explorer, Edge, Firefox, Chrome, Opera, Safari browser languages: Polish, English, and others 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, lotter, face detection, detection of people not wearing masks, cross counting, heat map, Scene change, video blurred, video color cast, objects distinguishing, people counting, vehicle counting, intrusion detection, target counting, people counting, vehicle counting, intrusion detection, target counting by area, video metadata, illegal parking detection OTHER FUNCTIONS Security video encryption, configuration encryption, IEEE 802.1X support, HTTPS support, Basic authorization for HTTP/RTSP, Digest authorization for HTTP/RTSP, MAC/IP address filtering, force change of default password 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 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 4 Range 70 m Smart IR yes (software support) INTERFACES Video Output BNC, 1.0 Vp-p, 75 Ohm 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) with bracket: 101 (W) x 89 (H) x 280 (L)	Network Protocols Support	RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, SSL/TLS,
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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 4 Range 70 m Smart IR yes (software support) INTERFACES Video Output BNC, 1.0 Vp-p, 75 Ohm 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) with bracket: 101 (W) x 89 (H) x 280 (L) Weight 1.1 kg	Audio Detection	yes
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INTERFACES Video Output BNC, 1.0 Vp-p, 75 Ohm 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) with bracket: 101 (W) x 89 (H) x 280 (L) Weight 1.1 kg	Range	70 m
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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) with bracket: 101 (W) x 89 (H) x 280 (L) Weight 1.1 kg	INTERFACES	
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) with bracket: 101 (W) x 89 (H) x 280 (L) Weight 1.1 kg	Video Output	BNC, 1.0 Vp-p, 75 Ohm
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: 101 (W) x 89 (H) x 280 (L) Weight 1.1 kg	Audio Input/Output	1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone
Memory Card Slot microSD - capacity up to 256GB INSTALLATION PARAMETERS Dimensions (mm) with bracket: 101 (W) x 89 (H) x 280 (L) Weight 1.1 kg	Alarm Input/Output	1 (NO/NC)/1 relay type (max. 12VDC/300mA)
Dimensions (mm) with bracket: 101 (W) x 89 (H) x 280 (L) Weight 1.1 kg	Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Dimensions (mm) with bracket: 101 (W) x 89 (H) x 280 (L) Weight 1.1 kg	Memory Card Slot	microSD - capacity up to 256GB
Weight 1.1 kg	INSTALLATION PARAMETERS	
	Dimensions (mm)	with bracket: 101 (W) x 89 (H) x 280 (L)
Degree of Protection IP 67 (details in the user's manual)	Weight	1.1 kg
	Degree of Protection	IP 67 (details in the user's manual)







6 MPX IP Motor-zoom Camera with video content analysis based on Deep Learning NVIP-6H-6522M/F/7043

Power Supply	12 VDC, PoE (IEEE 802.3af, Class 3)
Surge protection	TVS 4000 V
Power Consumption	8 W • 13 W (IR illuminator on)
Operating Temperature	-30°C ~ 60°C
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).

