NoVus

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

NVIP-4H-6502M/F-II/7043





KEY FEATURES

























- •Lens: motorized, auto-focus function, f= $2.8 \sim 12$ mm/F1.3
- Human/Vehicle Object Classification
- •D/N function IR cut filter
- •Video content analysis based on Deep Learning
- •microSD card support
- •Min. Illumination: 0.003 lx (0 lx, IR on)
- \bullet 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 $\ensuremath{\mathsf{DOWNLOADABLE}}$ FILES tab.

IMAGE

IFIAGE	
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 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, $f=2.8 \sim 12$ mm/F1.3

DORI

DORI (Detection, Observation,	for f = 2.8mm - D: 58.91m, O: 23.56m, R: 11.78m, I: 5.89m • for f =
Recognition, Identification)	12mm - D: 205.99m, O: 82.4m, R: 41.2m, I: 20.6m

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
Multistreaming Mode	number of streams: 3
Video/Audio Compression	H.264, H.264+, H.265, H.265+, MJPEG/G.711
Number of Simultaneous Conne	ectionsmax. 10
Bandwidth	50 Mb/s in total





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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, RTMP,

Camera Configuration	from Internet Explorer, Chrome, Opera, Safari 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, heamap, scene change, video blurred, video color cast, objects distinguishing, people counting, vehicle counting, intrusion detection 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	90° image rotation, 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
System Reaction to Alarm Events Restoring default settings	
Restoring default settings	on SD card
Restoring default settings	on SD card
Restoring default settings IR LED LED Number	on SD card via web browser, using reset button, via NMS IPTool software
Restoring default settings IR LED LED Number Range	on SD card via web browser, using reset button, via NMS IPTool software
Restoring default settings IR LED LED Number Range Smart IR	on SD card via web browser, using reset button, via NMS IPTool software 3 50 m
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Restoring default settings IR LED LED Number Range Smart IR INTERFACES Audio Input/Output	on SD card via web browser, using reset button, via NMS IPTool software 3 50 m yes (software support)
Restoring default settings IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface	on SD card via web browser, using reset button, via NMS IPTool software 3 50 m yes (software support) 1 x Jack (3.5 mm)/-
Restoring default settings IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot	on SD card via web browser, using reset button, via NMS IPTool software 3 50 m yes (software support) 1 x Jack (3.5 mm)/- 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB
Restoring default settings IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS	on SD card via web browser, using reset button, via NMS IPTool software 3 50 m yes (software support) 1 x Jack (3.5 mm)/- 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB
Restoring default settings IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm)	on SD card via web browser, using reset button, via NMS IPTool software 3 50 m yes (software support) 1 x Jack (3.5 mm)/- 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB
Restoring default settings IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight	on SD card via web browser, using reset button, via NMS IPTool software 3 50 m yes (software support) 1 x Jack (3.5 mm)/- 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 81 (W) x 81 (H) x 220 (L)
Restoring default settings IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection	on SD card via web browser, using reset button, via NMS IPTool software 3 50 m yes (software support) 1 x Jack (3.5 mm)/- 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 81 (W) x 81 (H) x 220 (L) 0.66 kg
Restoring default settings IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Power Supply	on SD card via web browser, using reset button, via NMS IPTool software 3 50 m yes (software support) 1 x Jack (3.5 mm)/- 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 81 (W) x 81 (H) x 220 (L) 0.66 kg IP 67 (details in the user's manual)
Restoring default settings IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Power Supply Surge protection	on SD card via web browser, using reset button, via NMS IPTool software 3 50 m yes (software support) 1 x Jack (3.5 mm)/- 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 81 (W) x 81 (H) x 220 (L) 0.66 kg IP 67 (details in the user's manual) 12 VDC, PoE (IEEE 802.3af, Class 3)
	on SD card via web browser, using reset button, via NMS IPTool software 3 50 m yes (software support) 1 x Jack (3.5 mm)/- 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 81 (W) x 81 (H) x 220 (L) 0.66 kg IP 67 (details in the user's manual) 12 VDC, PoE (IEEE 802.3af, Class 3) TVS 4000 V

The camera creates a fully functional face recognition system when used with selected NOVUS IP 6000 series recorders (models with "F" in the name). Video metadata - video analysis function available on cameras with software version newer or equal to 5.1.2(42545).



