NoVus

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

NVIP-4H-6502M/F-II





KEY FEATURES























- •Resolution: 4 MPX
- •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)
- •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	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: 82.40m, R: 41.20m, I: 20.60m

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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HTTP, TCP/IP, IPv4, IPv4/v6, UDP, HTTPS, FTP, DHCP, DDNS, NTP,

Network Protocols Support

Network Protocols Support	RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPP0E, 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, heat map, 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
	0.1.02 0.1.0
Restoring default settings	via web browser, using reset button, via NMS IPTool software
Restoring default settings	
IR LED	via web browser, using reset button, via NMS IPTool software
IR LED LED Number	via web browser, using reset button, via NMS IPTool software
IR LED LED Number Range Smart IR	via web browser, using reset button, via NMS IPTool software 3 50 m
IR LED LED Number Range	via web browser, using reset button, via NMS IPTool software 3 50 m
IR LED LED Number Range Smart IR INTERFACES	via web browser, using reset button, via NMS IPTool software 3 50 m yes (software support)
IR LED LED Number Range Smart IR INTERFACES Audio Input/Output	via web browser, using reset button, via NMS IPTool software 3 50 m yes (software support) 1 x Jack (3.5 mm)/-
IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot	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
IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS	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
IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm)	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)
IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight	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
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IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection	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) aluminium, white, fully cable managed wall mount bracket in-set
IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure	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) aluminium, white, fully cable managed wall mount bracket in-set included , IK10 impact rating • enclosure type: 4H-B
IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure Power Supply	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) aluminium, white, fully cable managed wall mount bracket in-set included , IK10 impact rating • enclosure type: 4H-B 12 VDC, PoE (IEEE 802.3af, Klasa 3)
IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure Power Supply Surge protection	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) aluminium, white, fully cable managed wall mount bracket in-set included , IK10 impact rating • enclosure type: 4H-B 12 VDC, PoE (IEEE 802.3af, Klasa 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).



