NOVUS

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

NVIP-2H-6502M/F





FUNCTIONS





















KEY FEATURES

- •Resolution: 2 MPX (Full HD)
 •Lens: motorized, auto-iris and 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
 •Min. Illumination: 0.003 lx (0 lx, IR on)
 •IR LED, range up to 50 m

DIMENSIONS





81 mm

81 mm





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	2 MPX CMOS sensor 1/2.8" SONY STARVIS
Number of Effective Pixels	1945 (H) x 1097 (V)
Min. Illumination	0.003 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	
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	1920 x 1080 (Full HD), 1280 x 720 (HD), 640 x 480 (VGA), 480 x 240, 320 x 240 (QVGA)
Frame Rate	30 fps for 1920 x 1080 (Full HD) and lower resolutions
Multistreaming Mode	3 streams
Video/Audio Compression	H.264, H.264+, H.264 Smart, H.265, H.265+, H.265 Smart, MJPEG/G.711
Number of Simultaneous Connections	max. 10
Bandwidth	60 Mb/s in total
	HTTP, TCP/IP, IPv4, IPv4/v6, UDP, HTTPS, Multicast, FTP, DHCP, DDNS, NTP, RTSP, UPnP, SNMP, OoS/DSCP.
Network Protocols Support	HTTP, TCP/IP, IPv4, IPv4/v6, UDP, HTTPS, Multicast, FTP, DHCP, DDNS, NTP, RTSP, UPnP, SNMP, QOS/DSCP, IEEE 802.1X, PPPoE, SMTP, RTCP, ICMP, Unicast, SSL/TLS
	from Internet Evoluter browser
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
Compatible Software Mobile applications	
Compatible Software Mobile applications Other functions	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000 SuperLive Plus (iPhone, Android)
Compatible Software Mobile applications Other functions Privacy Zones	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000 SuperLive Plus (iPhone, Android) 4 video mask type: single color or 1 video mask type: mosaic
Compatible Software Mobile applications Other functions Privacy Zones Motion Detection	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000 SuperLive Plus (IPhone, Android) 4 video mask type: single color or 1 video mask type: mosaic yes
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Compatible Software Mobile applications Other functions Privacy Zones Motion Detection Region of interest (ROI) Video Content Analysis (VCA)	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000 SuperLive Plus (IPhone, Android) 4 video mask type: single color or 1 video mask type: mosaic yes 8 tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, object counting, face detection, pedestrian detection, cross counting, scene change, video blurred, video color cast, objects distinguishing, people counting, whiche detection, vehicle counting 180' image robation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion
Compatible Software Mobile applications Other functions Privacy Zones Motion Detection Region of interest (ROI) Video Content Analysis (VCA) Image Processing	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000 SuperLive Plus (iPhone, Android) 4 video mask type: single color or 1 video mask type: mosaic yes 8 tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, object counting, face detection, pedestrian detection, cross counting, scene change, video blurred, video color cast, objects distinguishing, people counting, whicle detection, vehicle counting 180° image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction
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Compatible Software Mobile applications Other functions Privacy Zones Motion Detection Region of interest (ROI) Video Content Analysis (VCA) Image Processing Prealarm/Postalarm System Reaction to Alarm Events	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000 SuperLive Plus (iPhone, Android) 4 video mask type: single color or 1 video mask type: mosaic yes 8 tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, object counting, face detection, pedestrian detection, cross counting, scene change, video blurred, video color cast, objects distinguishing, people counting, whicle detection, vehicle counting 180' image rostion, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction up to 6 s/up to 120 s e-mail, e-mail with attachment, saving file on FTP server, saving file on SD card
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Compatible Software Mobile applications Other functions Privacy Zones Motion Detection Region of interest (ROI) Video Content Analysis (VCA) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings IR LED LED Number Range Smart IR Interfaces Audio Input/Output Network Interface Memory Card Siot Installation parameters Dimensions (mm) Weight Degree of Protection Enclosure	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000 SuperLive Plus (IPhone, Android) 4 video mask type: single color or 1 video mask type: mosaic yes 8 tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, object counting, face detection, pedestrian detection, cross counting, scene change, video blurred, video color cast, objects distinguishing, people counting, whicie detection, vehicle counting 180' image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction up to 6 s/up to 120 s e-mail, e-mail with attachment, saving file on FTP server, saving file on SD card via web browser, using reset button, via NMS IPTool software 2 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 128GB with bracket: 81 (W) x 81 (H) x 220 (L) 0.7 kg 19 F3 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set included , IK10 impact rating
Compatible Software Mobile applications Other functions Privacy Zones Motion Detection Region of interest (ROI) Video Content Analysis (VCA) Image Processing Prealarm/Postalarm System Reaction to Alarm Events 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 Enclosure Power Supply	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000 SuperLive Plus (iPhone, Android) 4 video mask type: single color or 1 video mask type: mosaic yes 8 tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, object counting, face detection, pedestrian detection, cross counting, scene change, video blurred, video color cast, objects detistinguishing, people counting, vehicle detection, vehicle counting 180° image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction up to 6 s/up to 120 s e-mail, e-mail with attachment, saving file on FTP server, saving file on SD card via web browser, using reset button, via NMS iPTool software 2 50 m yes (software support) 1 x Jack (3.5 mm)/- 1 x Ethernet - R)-45 interface, 10/100 Mbit/s microSD - capacity up to 128GB with bracket: 81 (W) x 81 (H) x 220 (L) 0.7 kg IP 67 (detalis 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)
Compatible Software Mobile applications Other functions Privacy Zones Motion Detection Region of interest (ROI) Video Content Analysis (VCA) Image Processing Prealarm/Postalarm System Reaction to Alarm Events 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 Enclosure Power Supply Surge protection	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000 SuperLive Plus (IPhone, Android) 4 video mask type: single color or 1 video mask type: mosaic yes 8 Emper, abandoned object, object disappearance, line cross, zone entrance, zone exit, object counting, sene change, video blurred, video color cast, objects detection, pedestrian detection, cross counting, sene change, video blurred, video color cast, objects detection, pedestrian detection, expelied counting, whicle detection, vehicle counting 180° image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction 190° image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction 190° image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction 190° image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction 190° image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction 190° image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction 190° image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction 190° image rotation, sharpening, file on FTP server, saving file on SD card 190° image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction 2
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Compatible Software Mobile applications Other functions Privacy Zones Motion Detection Region of interest (ROI) Video Content Analysis (VCA) Image Processing Prealarm/Postalarm System Reaction to Alarm Events 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 Enclosure Power Supply Surge protection Power Consumption	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000 SuperLive Plus (iPhone, Android) 4 video mask type: single color or 1 video mask type: mosaic yes 8 tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, object counting, face detection, pedestrian detection, cross counting, scene change, video blurred, video color cast, objects detistinguishing, people counting, vehicle detection, vehicle counting 180° image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction up to 6 s/up to 120 s e-mail, e-mail with attachment, saving file on FTP server, saving file on SD card via web browser, using reset button, via NMS iPTool software 2 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 128GB with bracket: 81 (W) x 81 (H) x 220 (L) 0.7 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, Pot (IEEE 802.3af, Class 3) TVS 4000 V 6 W, 10 W (IR illuminator on)

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