

## **IP Camera with video content** analysis based on Deep Learning

NVIP-2V-6501/F





## FUNCTIONS













87.5 mr







## **KEY FEATURES**

- •Resolution: 2 MPX (Full HD)
  •Lens: fixed focal, f=2.8 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
- •Min. Illumination: 0.005 lx (0 lx, IR on)
- •IR LED, range up to 30 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 Sensor	2 MPX CMOS sensor 1/2.8" SONY STARVIS
١.	Number of Effective Pixels	1945 (H) x 1097 (V)
	Min. Illumination	0.005 lx/F1.6 - 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	fixed focal, f=2.8 mm/F1.6
	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), 320 x 240 (QVGA), 480 x 240
	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
	Network Protocols Support	HTTP, TCP/IP, IPv4, IPv4,V6, UDP, HTTPS, Multicast, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, QoS/DSCP, IEEE 802.1X, PPP0E, SMTP, RTCP, ICMP, Unicast
	Camera Configuration	from Internet Explorer browser languages: Polish, English, Russian, and others
nm	Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000
	Mobile applications	SuperLive Plus (iPhone, Android)
	Mobile applications Other functions	SuperLive Plus (iPhone, Android)
	Other functions	4 video mask type: single color or 1 video mask type: mosaic
	Other functions Privacy Zones	
	Other functions Privacy Zones Motion Detection	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
	Other functions Privacy Zones Motion Detection Region of interest (ROI)	4 video mask type: single color or 1 video mask type: mosaic yes 8
	Other functions Privacy Zones Motion Detection Region of interest (ROI) Video Content Analysis (VCA)	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 "mage orbation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion
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	Other functions Privacy Zones Motion Detection Region of Interest (ROI) Video Content Analysis (VCA) Image Processing Prealarm/Postalarm System Reaction to Alarm Events	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 douterling 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
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	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	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, 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
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	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 Angle Smart IR Interfaces Audio Input/Output	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 doutening, whiche detection, which ed vertical properties of the prope
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	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 Angle Smart IR Interfaces Audio Input/Output Alarm Input/Output Network Interface	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 dotterlion, vehicle dotterlion 180 "mage 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  1 30 m 120° yes (software support)  1 x Jack (3.5 mm)/- built-in microphone 1 (NON/CI,1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
	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 Angle Smart IR Interfaces Audio Input/Output Network Interface Memory Card Siot	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, whichied detection, vehicle douterion sold distinguishing, whichied detection, vehicle douterion 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  1 30 m 120° yes (software support)  1 x Jack (3.5 mm)/- builti-in microphone 1 (NO/NC)/1 relay type (max. 12VDC/300mA)
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	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 Angle Smart IR Interfaces Audio Input/Output Alarm Input/Output Alarm Input/Output Network Interface Memory Card Siot Installation parameters Dimensions (mm) Weight Degree of Protection Enclosure Power Supply	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 douterion vehicle counting 180 "mage 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  1 30 m 120* yes (software support)  1 x Jack (3.5 mm)/- built-in microphone 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - R)-45 interface, 10/100 Mbit/s microSD - capacity up to 128GB  119 (Φ) x 87.8 (H) 0.65 kg 1P 67 (detalls in the user's manual) vandalproof IK10 impact rating aluminium, white 12 VDC, PvE (IEEE 802.3af, Class 3)
	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 Angle Smart IR Interfaces Audio Input/Output Alarm Input/Output Alarm Input/Output Network Interface Memory Card Siot Installation parameters Dimensions (mm) Weight Degree of Protection Enciosure Power Supply Surge protection	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 dotterlion vehicle dotterlion 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  1 30 m 120° yes (software support)  1 x Jack (3.5 mm)/-bullt-in microphone (1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 128GB  119 (Ø) x 87.8 (H) 0.65 kg IP 67 (details in the user's manual) vandalproof IK10 impact rating aluminium, white 12 VDC, PG (IEEE 802.3af, Class 3) TVS 4000 V
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Operating Temperature 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).