NoVus

IP Camera with video content analysis based on Deep Learning

NVIP-5H-6511/F

6000 VSS

FUNCTIONS



KEY FEATURES

•Resolution: 5 MPX •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: 0.009 lx (0 lx, IR on) •IR LED, range up to 50 m

DIMENSIONS





220 mm

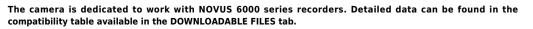


Image	
Image Sensor	5 MPX CMOS sensor 1/2.7" OmniVision
Number of Effective Pixels	2688 (H) x 1944 (V)
Min. Illumination	0.009 kx/F1.6 - color mode, 0 kx (IR on) - B/W mode
Electronic Shutter	auto/manual: 1/3 s ~ 1/10000 s
Digital Slow Shutter (DSS)	up to 1/3 s
Wide Dynamic Range (WDR)	yes (double scan 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	2560 x 1440 (QHD), 2592 x 1520, 2592 x 1944, 2304 x 1296, 1920 x 1080 (Full HD), 1280 x 720 (HD), 704 576, 704 x 480, 352 x 288 (ClF), 352 x 240, 480 x 240
Frame Rate	30 fps for 2592 x 1944, 60 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, FTP, DHCP, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X PPPoE, SMTP, RTCP, ICMP, SSL/TLS
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
Mobile applications	SuperLive Plus (iPhone, Android)
Other functions	
Privacy Zones	4 video mask type: single color
	4 video mask type: single color yes
Privacy Zones	
Privacy Zones Motion Detection	yes 8 tamper, line cross, zone entrance, zone exit, object counting, multi loiter, face detection, pedestrian detection, cross counting, heat map, scene change, video blurred, video color cast, objects distinguishing,
Privacy Zones Motion Detection Region of interest (ROI)	yes 8 tamper, line cross, zone entrance, zone exit, object counting, multi loiter, face detection, pedestrian
Privacy Zones Motion Detection Region of Interest (ROI) Video Content Analysis (VCA)	yes 8 tamper, line cross, zone entrance, zone exit, object counting, multi loiter, face detection, pedestrian detection, cross counting, heat map, scene change, video blurred, video color cast, objects distinguishing, people counting, vehicle counting, larget counting by area 180° image rotation, skaprening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion
Privacy Zones Motion Detection Region of Interest (ROI) Video Content Analysis (VCA) Image Processing	yes 8 tamper, line cross, zone entrance, zone exit, object counting, multi loiter, face detection, pedestrian detection, cross counting, heat map. scene change, video blurred, video color cast, objects distinguishing, people counting, vehicle counting, target counting by area 180° image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction
Privacy Zones Motion Detection Region of Interest (ROI) Video Content Analysis (VCA) Image Processing Prealarm/Postalarm	yes 8 tamper, line cross, zone entrance, zone exit, object counting, multi loiter, face detection, pedestrian detection, cross counting, heat map, scene change, video blurred, video color cast, objects distinguishing, people counting, velicle counting, target counting by area 180° image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction up to 6 s/up to 120 s
Privacy Zones Motion Detection Region of Interest (ROI) Video Content Analysis (VCA) Image Processing Prealamt/Postalarm System Reaction to Alarm Events Restoring default settings	yes 8 8 tamper, line cross, zone entrance, zone exit, object counting, multi ioiter, face detection, pedestrian detection, cross, counting, heat map, scene change, video blurred, video color cast, objects distinguishing, people counting, velicile counting, target counting by area 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
Privacy Zones Motion Detection Region of Interest (ROI) Video Content Analysis (VCA) Image Processing Prealami/Postalarm System Reaction to Alarm Events Restoring default settings IR LED	yes 8 Tamper, line cross, zone entrance, zone exit, object counting, multi loiter, face detection, pedestrian detection, cross counting, heat map, scene change, video blurred, video color cast, objects distinguishing, people counting, vehicle counting, larget counting by area 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
Privacy Zones Motion Detection Region of Interest (ROI) Video Content Analysis (VCA) Image Processing Prealamu/Postalarm System Reaction to Alarm Events Restoring default settings It LED LED Number	yes 8 8 1 1 amper, line cross, zone entrance, zone exit, object counting, multi loiter, face detection, pedestrian detection, cross counting, heat map, scene change, video blurred, video color cast, objects distinguishing, people counting, vehicle counting, target counting by area 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
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	yes 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
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	yes 8 8 1 1 amper, line cross, zone entrance, zone exit, object counting, multi loiter, face detection, pedestrian detection, cross counting, heat map, scene change, video blurred, video color cast, objects distinguishing, people counting, vehicle counting, target counting by area 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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Privacy Zones Motion Detection Region of Interest (ROI) Video Content Analysis (VCA) Image Processing Prealamu/Postalarm Prealamu/Postalarm System Reaction to Alarm Events Restoring default settings Ite LED LED Number Range Smart IR Iterfaces Audio Input/Output	yes 8 1 amper, line cross, zone entrance, zone exit, object counting, multi loiter, face detection, pedestrian detection, cross counting, heat map, scene change, video blurred, video color cast, objects distinguishing, people counting, vehicle counting, larget counting by area 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)/-
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 Mumber Range Smart IR Interfaces Audio Input/Output Network Interface	yes 8 9 9 9 9 9 9 9 9 9 9 9 9 9
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 Interface Audio Input/Output Network Interface Memory Card Slot	yes 8 1 2 3 2 3 2 2 3 2 2 3 2 2 3 2 3 2 3 3 2 3 3 2 3
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 Mumber Range Smart IR Interfaces Audio Input/Output Network Interface	yes 8 9 9 9 9 9 9 9 9 9 9 9 9 9
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 Interface Audio Input/Output Network Interface Memory Card Slot	yes 8 9 9 9 9 9 9 9 9 9 9 9 9 9
Privacy Zones Motion Detection Region of interest (ROI) Video Content Analysis (VCA) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings RELD LED Number Range Smart IR Interfaces Audio Input/Output Network Interface Memory Card Slot Installation parameters	yes 8 1 tamper, line cross, zone entrance, zone exit, object counting, multi loiter, face detection, pedestrian detection, cross, zone entrance, zone change, video burred, video color cast, objects distinguishing, people counting, heat map, scene change, video burred, video color cast, objects distinguishing, people counting, vehicle counting, may area 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 5 on yes (software support) 1 x jack (3.5 mm)/- 1 x Ethermet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256G8
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)	yes 8 1 amper, line cross, zonse entrance, zone exit, object counting, multi loiter, face detection, pedestrian detection, cross counting, hart map, scene change, video blurred, video color cast, objects distinguishing, people counting, vehicle counting, traget counting by area 180° image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction up to 6 slup 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 5 on yes (software support) 1 1 1 1 1 1 1 1 2 5 on 1 1 1 1 1 1 1 1 1 2 3 4 4 5 5 6 1 1 3 <t< td=""></t<>
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Privacy Zones Motion Detection Region of interest (ROI) Video Content Analysis (VCA) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings IB LED DUmber Range Smart IR Interfaces Audio Input/Output Network Interface Memory Card Slot Interlation parameters Dimensions (mm) Weight Degree of Protection	yes 8 1 amper, line cross, zone entrance, zone exit, object counting, multi loiter, face detection, pedestrian detection, cross, zone entrance, zone exit, object counting, withi object counting, bear map, scene change, video burred, video color cast, objects distinguishing, people counting, webicle counting, may area 10° 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 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) 0.7 kg P 67 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set included
Privacy Zones Motion Detection Region of interest (ROI) Video Content Analysis (VCA) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings It EDD LED Number Range Smart IR Interfaces Audio Input/Output Network. Interface Dimensions (mm) Weight Degree O Frotection Enclosure Processing	yes 8 8 1 1 1 2 2 30 30 30 31 32 33 33 34 35 36 37 38 38 38 39 39 39 39 30 30 30 30 30 31 32 33 34 35 35 36 36 37 38 38 38 39 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 31 32 32 33 33 <t< td=""></t<>
Privacy Zones Motion Detection Region of interest (ROI) Video Content Analysis (VCA) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings Retoring default settings IR LED LED Number Andio Input/Output Andio Input/Output Network Interface Memory Card Stot Interfaces Dimensions (mm) Weight Degrees of Protection Encosure Provers Supply Surge protection	yes 8 9 100 1100



The camera creates a fully functional face recognition system when used with selected NOVUS IP 6000 series recorders (models with "F" in the name).