# **NoVus**

# 5 MPX IP Camera with video content analysis based on Deep Learning

# NVIP-5H-6511/F





#### **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**



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**

Image Sensor	5 MPX CMOS sensor 1/2.7" OmniVision
Number of Effective Pixels	2688 (H) x 1944 (V)
Min. Illumination	0.009 lx/F1.6 - color mode • 0 lx (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
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## **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, 2592 x 1944, 2304 x 1296, 1920 x 1080 (Full HD), 1280 x 720 (HD), 704 x 576, 704 x 480, 352 x 288 (CIF), 352 x 240, 480 x 240
Frame Rate	30 fps for • 60 fps for and lower resolutions
Multistreaming Mode	number of streams: 3
Video/Audio Compression	H.264, H.264+, H.264 Smart, H.265, H.265+, H.265 Smart, MJPEG/G.711
Number of Simultaneous Connection	nsmax. 10
Bandwidth	60 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, 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)
VIDEO ANALYTICS	
Functions	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
OTHER FUNCTIONS	
Privacy Zones	4 video mask type: single color
Motion Detection	yes
Region of interest (ROI)	8
Image Processing	$180\ensuremath{^\circ}$ 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 $$
Restoring default settings	via web browser, using reset button, via NMS IPTool software
IR LED	
LED Number	2
Range	50 m
Smart IR	yes (software support)
	yes (software support)
INTERFACES	yes (software support)  1 x Jack (3.5 mm)/-
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INTERFACES Audio Input/Output	1 x Jack (3.5 mm)/- 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
INTERFACES Audio Input/Output Network Interface Memory Card Slot	1 x Jack (3.5 mm)/- 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB
INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS	1 x Jack (3.5 mm)/- 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB
INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm)	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)
INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight	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
INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm)	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)
INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection	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  IP 67 (details in the user's manual)  aluminium, white, fully cable managed wall mount bracket in-set
INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure Power Supply	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  IP 67 (details in the user's manual)  aluminium, white, fully cable managed wall mount bracket in-set included  12 VDC, PoE (IEEE 802.3af, Class 3)
INTERFACES Audio Input/Output Network Interface Memory Card Slot  INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure  Power Supply Surge protection	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  IP 67 (details in the user's manual)  aluminium, white, fully cable managed wall mount bracket in-set included  12 VDC, PoE (IEEE 802.3af, Class 3)  TVS 4000 V
INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure Power Supply	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  IP 67 (details in the user's manual)  aluminium, white, fully cable managed wall mount bracket in-set included  12 VDC, PoE (IEEE 802.3af, Class 3)

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



