## NOVUS

## IP Camera with video content analysis and active deterrence

### **NVIP-4H-6711/FWLAD**





#### **KEY FEATURES**























- •Resolution: 4 MPX
- •Lens: fixed focal, f=2.8 mm/F1.6
- •active deterrence
- •D/N function IR cut filter
- •Video content analysis based on Deep Learning
- microSD card support
- •WDR with double scan sensor
- •two-way audio
- •Min. Illumination: 0.03 lx (0 lx, IR on)
- •IR LED, range up to 40 m
- •white LED illuminator, range up to 40 m

#### **COMPATIBILITY**



#### **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	4 MPX CMOS sensor 1/2.9" SmartSens
Number of Effective Pixels	2696 (H) x 1528 (V)
Min. Illumination	0.03 lx/F1.6 - color mode • 0 lx (IR on) - B/W mode
Electronic Shutter	auto: 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

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#### **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

NETWORK	
Stream Resolution	$2592 \times 1520$ , $2560 \times 1440$ (QHD), $2304 \times 1296$ , $1920 \times 1080$ (Full HD), $1280 \times 720$ (HD), $704 \times 576$ , $640 \times 480$ (VGA), $480 \times 240$ , $352 \times 288$ (CIF)
Frame Rate	30 fps for each resolution
Multistreaming Mode	3 streams
Video/Audio Compression	H.264, H.264+, H.265, H.265+, MJPEG/G.711
Number of Simultaneous Conne	ctionsmax. 10
Bandwidth	30 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, HTML5, RTMP





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Camera Configuration	from Internet Explorer, Chrome, Opera, Safari browser • languages: Polish, English, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000
Mobile applications	SuperLive Plus (iPhone, Android)

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OTHER FUNCTIONS	
Privacy Zones	4 video mask type: single color or 4 video mask type: mosaic
Motion Detection	yes
Region of interest (ROI)	8
Video Content Analysis (VCA)	tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, object counting, face detection, detection of people not wearing masks, cross counting, heat map, scene change, video blurred, video color cast, objects distinguishing, people counting, vehicle counting, intrusion detection, target counting by area, video metadata
Image Processing	$90^\circ$ image rotation, $180^\circ$ 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
Determent	red and blue LEDs, flashing light, • built-in speaker (predefined or custom voice messages)
Restoring default settings	via web browser, using reset button, via NMS IPTool software
IR LED	
LED Number	1

IK LED		
LED Number	1	
Range	40 m	
Smart IR	yes (software support)	

#### WHITE LIGHT ILLUMINATOR

LED Number	1, warm white color	
Range	40 m	
Smart Light	yes (software support)	
INTERFACES		

Audio Input/Output	1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone/speaker
Alarm Input/Output	1 (NO/NC)/1 relay type (max. 12VDC/300mA)
Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Memory Card Slot	microSD - capacity up to 256GB

### **INSTALLATION PARAMETERS**

Dimensions (mm)	with bracket: 81 (W) x 81 (H) x 220 (L)
Weight	0.7 kg
Degree of Protection	IP 66 (details in the user's manual)
Enclosure	aluminium, white, fully cable managed wall mount bracket in-set included , IK10 impact rating
Power Supply	12 VDC, PoE (IEEE 802.3af, Class 3)
Surge protection	TVS 4000 V
Power Consumption	5 W • 9 W (IR illuminator on) • 9 W (white light illuminator on) • 11 W (IR illuminator and active deterrence functions enabled)







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Operating Temperature	-30°C ~ 60°C
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).



