NoVus

4 MPX IP Camera with video content analysis based on Deep Learning

NVIP-4V-6511/F-II





KEY FEATURES























- •Resolution: 4 MPX
- •Lens: fixed focal, f=2.8 mm/F1.6
- •built-in microphone
- •D/N function IR cut filter
- $\bullet \mbox{Video content analysis based on Deep Learning} \\$
- •microSD card support
- $\bullet \mathsf{WDR} \mathsf{\ with\ double\ scan\ sensor}$
- •Min. Illumination: 0.005 lx (0 lx, IR on)
- •IR LED, range up to 20 m

DIMENSIONS



110 mm (Ø)



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	4 MPX CMOS sensor 1/3" SmartSens
Number of Effective Pixels	2688 (H) x 1520 (V)
Min. Illumination	0.005 lx/F1.6 - color mode • 0 lx (IR on) - B/W mode
Electronic Shutter	auto: 1/2 s ~ 1/100000 s
Digital Slow Shutter (DSS)	up to 1/2 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 I	ype	fixed focal,	t=2.8	mm/F1.6)

DORI

DORI (Detection, Observation, Recognition, Identification) for f = 2.8 mm - D: 60.69 m, O: 24.28 m, R: 12.14 m, I: 6.07 m

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, 2304 x 1296, 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 • 60 fps for and lower resolutions
Multistreaming Mode	number of streams: 3
Video/Audio Compression	H.264, H.264+, H.265, H.265+, MJPEG/G.711
Number of Simultaneous Conne	ectionsmax. 10





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Network Protocols Support HTTP, TCP/IP, IPv4, IPv4/v6, UDP, HTTPS, FTP, DHCP, DRTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPPOE, SM HTML5, RTMP Camera Configuration from Internet Explorer, Chrome, Opera, Safari browser Polish, English, and others NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMAC, N Control 6000 Mobile applications ipGO 6 (iPhone, Android) VIDEO ANALYTICS Functions tamper, abandoned object, object disappearance, line entrance, zone exit, object counting, face detection, or depople not wearing masks, pedestrian detection, cross map, scene change, video blurred, video color cast, of distinguishing, people counting, vehicle counting, introvideo metadata OTHER FUNCTIONS Privacy Zones 4 video mask type: single color or 4 video mask type: Motion Detection yes Region of interest (ROI) 8 Image Processing 180° image rotation, sharpening, mirror effect, corridor 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 serving on SD card Restoring default settings via web browser, using reset button, via NMS IPTool so IR LED LED Number 2	TP, RTCP, r • languages: MENT SYSTEM e cross, zone letection of s counting, heat bjects usion detection, mosaic
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IR LED LED Number 2	er, saving file
LED Number 2	oftware
Pange 20 m	
Range 20 m	
Smart IR yes (software support)	
INTERFACES	
Audio Input/Output 1 x Jack (3.5 mm)/- • built-in microphone	
Network Interface 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s	
Memory Card Slot microSD - capacity up to 256GB	
INSTALLATION PARAMETERS	
Dimensions (mm) 110 (Φ) x 59.8 (H)	
Weight 0.4 kg	
Degree of Protection IP 66 (details in the user's manual)	
Enclosure vandalproof, IK10 impact rating, aluminium, white • el 6V-SD	nclosure type:
Power Supply 12 VDC, PoE (IEEE 802.3af, Class 3)	
Surge protection TVS 4000 V	
Power Consumption 4 W • 6 W (IR illuminator on)	
Operating Temperature $-30^{\circ}\text{C} \sim 60^{\circ}\text{C}$	
Humidity max. 95%, relative (non-condensing)	







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The camera creates a fully functional face recognition system when used with selected NOVUS IP 6000 series recorders (models with "F" in the name). Video metadata - video analysis function available on cameras with software version newer or equal to 5.1.2(42545).

