NOVUS

IP Camera with video content analysis based on Deep Learning

NVIP-4H-6502M/F-II/7043





KEY FEATURES





















- •Resolution: 4 MPX
- •Lens: motorized, auto-focus function, f=2.8 \sim 12 $\,$ mm/F1.3 $\,$
- Human/Vehicle Object Classification
- •D/N function IR cut filter
- •Video content analysis based on Deep Learning
- •microSD card support
- •Min. Illumination: 0.003 lx (0 lx, IR on)
- •IR LED, range up to 50 m

COMPATIBILITY



DIMENSIONS





81 mm





220 mm

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	0.003 lx/F1.3 - 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 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

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Lens Type	motorized, $f=2.8 \sim 12$ mm/F1.3

DAY/NIGHT

mechanical IR cut filter
auto, manual, time
yes
2 ~ 120 s
yes
yes

NETWORK

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
30 fps for 2592 x 1520 \bullet 60 fps for 1920 x 1080 (Full HD) and lower resolutions
3 streams
H.264, H.264+, H.265, H.265+, MJPEG/G.711
ctionsmax. 10
50 Mb/s in total
HTTP, TCP/IP, IPv4, IPv4/v6, UDP, HTTPS, FTP, DHCP, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, RTMP





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Camera Configuration	from Internet Explorer, Chrome, Opera, Safari 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 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, pedestrian detection, cross counting, heat map, scene change, video blurred, video color cast, objects distinguishing, people counting, vehicle counting, intrusion detection, video metadata
Image Processing	90° image rotation, 180° 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	3
Range	50 m
Smart IR	yes (software support)
INTERFACES	
Audio Input/Output	1 x Jack (3.5 mm)/-
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	0.66 kg
Degree of Protection	IP 67 (details in the user's manual)
Enclosure	aluminium, grey, fully cable managed wall mount bracket in-set included , IK10 impact rating
Power Supply	12 VDC, PoE (IEEE 802.3af, Class 3)
6	TVS 4000 V
Surge protection	1 V 3 4000 V
Power Consumption	6 W • 9 W (IR illuminator on)

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).



