

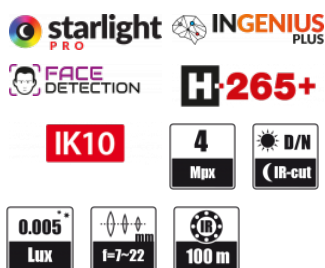


# 4 MPX IP Motor-zoom Camera with video content analysis based on Deep Learning

NVIP-4H-6532M/F-II



## FUNCTIONS



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.

## COMPATIBILITY



## KEY FEATURES

- Resolution: 4 MPX
- Lens: motorized, auto-iris and auto-focus function, f=7 ~ 22 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: 0.005 lx (0 lx, IR on)
- IR LED, range up to 100 m (depends on current optical zoom value)

## DIMENSIONS



<b>Image</b>	
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/manual: 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
<b>Lens</b>	
Lens Type	motorized, auto-iris function, f=7 ~ 22 mm/F1.6
Auto-focus	zoom trigger, day/night mode trigger, manual trigger
<b>DORI</b>	
DORI (Detection, Observation, Recognition, Identification)	for f = 7mm - D: 137.13m, O: 54.85m, R: 27.43m, I: 13.71m for f = 22mm - D: 315.72m, O: 126.29m, R: 63.14m, I: 31.57m
<b>Day/Night</b>	
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
<b>Network</b>	
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 each resolution, 60 fps for 1920 x 1080 (Full HD) 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 Connections	max. 10
Bandwidth	50 Mb/s in total
Network Protocols Support	HTTP, TCP/IP, IPv4/IPv6, UDP, HTTPS, FTP, DHCP, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, HTML5, RTMP
Camera Configuration	from Internet Explorer, Edge, Firefox, Chrome, Opera 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)
<b>Video Analytics</b>	
Functions	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, video metadata
<b>Other functions</b>	
Privacy Zones	4 video mask type: single color or 4 video mask type: mosaic
Motion Detection	yes
Region of interest (ROI)	8
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, alarm output activation
Restoring default settings	via web browser, using reset button, via NMS IPTool software
<b>IR LED</b>	
LED Number	4
Range	up to 100 m (depends on current optical zoom value)
Smart IR	yes (software support)
<b>Interfaces</b>	
Video Output	BNC, 1.0 Vp-p, 75 Ohm
Audio Input/Output	1 x Jack (3.5 mm)/1 x Jack (3.5 mm)
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
<b>Installation parameters</b>	
Dimensions (mm)	with bracket: 101 (W) x 89 (H) x 280 (L)
Weight	1.1 kg

Degree of Protection	IP 67 (details in the user's manual)
Enclosure	aluminium, white or grey, 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	8 W, 13 W (IR illuminator on)
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). Video metadata - video analysis function available on cameras with software version newer or equal to 5.1.2(42545).*