NOVUS

IP Camera with video content analysis based on Deep Learning

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

6000 **VSS IP**

FUNCTIONS

starlight PRO — INGENIUS PLUS

FACE DETECTION — H·265+

IK10 — 4 Mpx — D/N IR-cut

0.003 Lux — f=2.8~12 — IR 50 m

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

KEY FEATURES

- Resolution: 4 MPX
- Lens: motorized, auto-focus function, f=2.8 ~ 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

DIMENSIONS

81 mm

81 mm

220 mm

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	
Lens Type	motorized, f=2.8 ~ 12 mm/F1.3
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
Visible Light Sensor	yes
Network	
Stream Resolution	2592 x 1520, 2560 x 1440 (QHD), 2304 x 1296, 1920 x 1080 (Full HD), 1280 x 720 (HD), 640 x 480 (VGA), 480 x 240, 320 x 240 (QVGA)
Frame Rate	30 fps for 2592 x 1520, 60 fps for 1920 x 1080 (Full HD) and lower resolutions
Multistreaming Mode	3 streams
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, IPv4/v6, UDP, HTTPS, FTP, DHCP, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, RTMP
ONVIF Protocol Support	Profile S/G
Camera Configuration	from Internet Explorer, Chrome, Opera, Safari browser languages: Polish, English, Russian, and others
Compatible Software	NMS, 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
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)
Surge protection	TVS 4000 V

Power Consumption	6 W, 9 W (IR illuminator on)
Operating Temperature	-30°C ~ 60°C
Humidity	max. 95%, relative (non-condensing)