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

NVIP-12H-6522M/F



KEY FEATURES

- •Resolution: 12 MPX
- •Lens: motorized, auto-iris and auto-focus function, f=2.8 ~ 12 mm/F1.4
- •Human/Vehicle Object Classification
- •D/N function - IR cut filter
- •Video content analysis based on Deep Learning
- •microSD card support
- •two-way audio
- •Min. Illumination: 0.006 lx (0 lx, IR on)
- •IR LED, range up to 70 m (depends on current optical zoom value)

COMPLIANCE

DIMENSIONS



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	12 MPX CMOS sensor 1/1.7” SONY Exmor R STARVIS
Number of Effective Pixels	4072 (H) x 3046 (V)
Min. Illumination	0.006 lx/F1.4 - color mode • 0 lx (IR on) - B/W mode
Electronic Shutter	auto/manual: 1/3 s ~ 1/100000 s
Digital Slow Shutter (DSS)	up to 1/3 s
Digital Noise Reduction (DNR)	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, auto-iris function, f=2.8 ~ 12 mm/F1.4
Auto-focus	zoom trigger, day/night mode trigger, manual trigger

DORI

DORI (Detection, Observation, Recognition, Identification)	for f = 2.8mm - D: 86m, O: 34m, R: 17m, I: 9m • for f = 12mm - D: 190m, O: 76m, R: 38m, I: 19m

DAY/NIGHT

Mode	day/night switching: mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
Switching Delay	2 ~ 6000 s
Visible Light Sensor	yes

NETWORK

Stream Resolution	4000 x 3000, 3840 x 2160 (4K Ultra HD), 3200 x 1800 (QHD+), 2688 x 1520, 1920 x 1080 (Full HD), 1280 x 720 (HD), 704 x 576, 640 x 480 (VGA), 640 x 360, 352 x 288 (CIF), 480 x 240
Frame Rate	30 fps for each resolution
Multistreaming Mode	number of streams: 5
Video/Audio Compression	H.264, H.264+, H.265, H.265+, MJPEG/G.711
Number of Simultaneous Connections	max. 10

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Bandwidth	82 Mb/s in total
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, P2P, HTML5, RTMP, HTTP POST
Camera Configuration	from Internet Explorer, Edge, Firefox, Chrome, Opera browser • languages: Polish, English, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000
Mobile applications	ipGO 6 (iPhone, Android)

VIDEO ANALYTICS

Functions	tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, 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, counting objects in the area

OTHER FUNCTIONS

Security	video encryption, configuration encryption, IEEE 802.1X support, HTTPS support, authorization Basic for HTTP, authorization Token for HTTP
Privacy Zones	4 video mask type: single color
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, via IP Tool 6000 software

IR LED

LED Number	4
Range	up to 70 m (depends on current optical zoom value)
Smart IR	yes (software support)

INTERFACES

Video Output	BNC, 1.0 Vp-p, 75 Ohm
Audio Input/Output	1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in microphone
Alarm Input/Output	1 (NO/NC)/1 relay type (max. 1A 30VDC)
Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Memory Card Slot	microSD - capacity up to 512GB

INSTALLATION PARAMETERS

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, fully cable managed wall mount bracket in-set included , IK10 impact rating • enclosure type: 4H-B
Power Supply	12 VDC, PoE (IEEE 802.3af, Class 3)

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Surge protection	TVS 4000 V
Power Consumption	8.5 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).