### **NoVus**

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

#### **NVIP-5H-6522M/F**





#### **KEY FEATURES**























•Lens: motorized, auto-iris and auto-focus function, f=2.8 ~ 12 mm/F1.4

• Human/Vehicle Object Classification

•Video content analysis based on Deep Learning

- microSD card support
- •WDR with double scan sensor
- •IR LED, range up to 70 m

#### **DIMENSIONS**





280 mm

The camera is dedicated to work with NOVUS 6000 series recorders. Detailed data can be found in the compatibility table available in the  $\ensuremath{\mathsf{DOWNLOADABLE}}$  FILES tab.

#### **IMAGE**

Image Sensor	5 MPX CMOS sensor 1/2.7" OmniVision
Number of Effective Pixels	2688 (H) x 1944 (V)
Min. Illumination	0.007 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
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 Type	motorized, auto-iris function, f=2.8 $\sim$ 12 mm/F1.4
Auto-focus	zoom trigger, day/night mode trigger, manual trigger

#### **DORI**

DORI (Detection, Observation,	for f = 2.8mm - D: 62.5m, O: 24.8m, R: 12.5m, I: 6.3m • for f = 12mm
Recognition, Identification)	- D: 198m, O: 78.6m, R: 39.6m, I: 19.8m

#### **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	$2560 \times 1440$ (QHD), $2592 \times 1520$ , $2592 \times 1944$ , $2304 \times 1296$ , $1920 \times 1080$ (Full HD), $1280 \times 720$ (HD), $640 \times 480$ (VGA), $320 \times 240$ (QVGA), $480 \times 240$
Multistreaming Mode	number of streams: 3
Video/Audio Compression	H.264, H.264+, H.264 Smart, H.265, H.265+, H.265 Smart, MJPEG/G.711





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Number of Simultaneous Connection	nsmax. 10
Bandwidth	60 Mb/s in total
Network Protocols Support	HTTP, TCP/IP, IPv4, IPv4/v6, UDP, HTTPS, Multicast, FTP, DHCP, DDNS, NTP, RTSP, UPnP, SNMP, QoS/DSCP, IEEE 802.1X, PPPoE, SMTP, RTCP, ICMP, Unicast, SSL/TLS
Camera Configuration	from Internet Explorer browser ${\color{blue}\bullet}$ 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)
VIDEO ANALYTICS	
Functions	tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, object counting, multi loiter, 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, target counting by area
OTHER FUNCTIONS	
Privacy Zones	4 video mask type: single color or 1 video mask type: mosaic
Motion Detection	yes
Region of interest (ROI)	8
Image Processing	$180^{\circ}$ 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	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)
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
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)
Power Supply	12 VDC, PoE (IEEE 802.3af, Class 3)
Surge protection	TVS 4000 V
Power Consumption	7.5 W • 14 W (IR illuminator on)
Operating Temperature	-30°C ~ 60°C







## 5 MPX IP Motor-zoom Camera with video content analysis based on Deep Learning NVIP-5H-6522M/F

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).

