

## Bullet IP Camera with Motor-zoom Lens NVIP-5H-4502M/F

4000 VSS IP



### KEY FEATURES



- Resolution: 5 MPX
- Lens: motorized, auto-focus function,  $f=2.7 \sim 13.5$  mm/F1.8
- support for Chrome, Firefox, Opera, Safari browsers
- D/N function - IR cut filter
- Video content analysis based on Deep Learning
- Licence plate recognition (LPR)
- microSD card support
- WDR with double scan sensor
- two-way audio
- Min. Illumination: 0.03 lx (0 lx, IR on)
- IR LED, range up to 45 m
- "Two way power" - when connected to a PoE switch, it allows to power the low power receiver from the camera's power socket

### COMPATIBILITY



### DIMENSIONS



The camera is dedicated to work with NOVUS 4000 series recorders. Detailed data can be found in the compatibility table available in the **DOWNLOADABLE FILES** tab.

### IMAGE

Image Sensor	5 MPX CMOS sensor 1/2.7" OmniVision
Number of Effective Pixels	2592 (H) x 1944 (V)
Min. Illumination	0.03 lx/F1.2 - color mode • 0 lx (IR on) - B/W mode
Electronic Shutter	auto/manual: 1/5 s ~ 1/20000 s
Digital Slow Shutter (DSS)	up to 1/5 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
Reduction of image flicker (Antiflicker)	yes

### LENS

Lens Type	motorized, $f=2.7 \sim 13.5$ mm/F1.8
Auto-focus	zoom trigger, manual trigger

### DAY/NIGHT

Switching Type	mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Delay	1 ~ 36 s
Visible Light Sensor	yes

### NETWORK

Stream Resolution	2592 x 1520, 2592 x 1944, 2304 x 1296, 1920 x 1080 (Full HD), 2048 x 1536 (QXGA), 1280 x 960, 1280 x 720 (HD), 640 x 480 (VGA), 320 x 240 (QVGA)
Frame Rate	30 fps for each resolution
Multistreaming Mode	3 streams
Video/Audio Compression	H.264, H.264+, H.265, H.265+/G.711
Number of Simultaneous Connections	max. 10
Bandwidth	60 Mb/s in total
Network Protocols Support	HTTP, TCP/IP, IPv4, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, RTP, UPnP, SNMP, SMTP, P2P, HTML5
Camera Configuration	from Internet Explorer, Firefox, Chrome, Opera, Safari browser • languages: Polish, English, Russian, and others

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Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC
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Mobile applications	RxCamView (iPhone, Android)
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### OTHER FUNCTIONS

Privacy Zones	4 video mask type: single color
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Motion Detection	yes
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Audio Detection	yes
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Video Content Analysis (VCA)	abandoned object, object disappearance, line cross, zone entrance, zone exit, multi loiter, cross counting, heat map, queue length detection, objects distinguishing, face recognition, comparing faces
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Image Processing	180° image rotation, vertical flip, horizontal flip
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Prealarm/Postalarm	up to 5 s/up to 30 s
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System Reaction to Alarm Events	e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage
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Restoring default settings	via web browser, using reset button
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### LICENCE PLATE RECOGNITION (LPR)

Autonomous operation mode	yes - recognition function implemented in the camera
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Capacity of License Plate Database	up to 10000 license plates, on all lists.
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Types of recognized number plates	all countries of the European Union
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Barrier control	yes - built-in relay output
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Data recorded in the camera base	recognition date/time, number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list"
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Reactions for the licence plate recognition	e-mail with attachment, saving file on FTP server, alarm output activation
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### IR LED

LED Number	4
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Range	45 m
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Smart IR	yes (hardware support)
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### INTERFACES

Audio Input/Output	1 x RCA/1 x RCA
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Alarm Input/Output	1 (NO/NC)/1 relay type (max. 12VDC/300mA)
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Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
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Memory Card Slot	microSD - capacity up to 256GB
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### INSTALLATION PARAMETERS

Dimensions (mm)	with bracket: 87 (W) x 83 (H) x 242 (L)
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Weight	0.82 kg
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Degree of Protection	IP 66 (details in the user's manual)
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Enclosure	aluminium, white, fully cable managed wall mount bracket in-set included
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Power Supply	12 VDC, PoE (IEEE 802.3af, Class 3)
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Surge protection	TVS 4000 V
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Power Consumption	2 W • 5 W (IR illuminator on)
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Operating Temperature	-30°C ~ 55°C
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Humidity	max. 95%, relative (non-condensing)
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*A memory card is required for the face recognition and license plate recognition functions to work. The license plate recognition function is available for cameras with firmware V21.45.8.2.3\_xxxx*

