NOVUS

Bullet IP Camera with Motor-zoom Lens

NVIP-5H-4502M





KEY FEATURES

















- •Lens: motorized, auto-focus function, $f=2.8 \sim 12$
- •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 $\ensuremath{\mathsf{DOWNLOADABLE}}$ FILES tab.

IMAGE

Image Sensor	5 MPX CMOS sensor 1/2.7" SmartSens
Number of Effective Pixels	2880 (H) x 1620 (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=2.8 \sim 12 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	2880 x 1620, 2560 x 1440 (QHD), 2304 x 1296, 1920 x 1080 (Full HD), 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 Connec	ctionsmax. 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

companie soremare	AC
Mobile applications	RxCamView (iPhone, Android)
OTHER FUNCTIONS	
Privacy Zones	4 video mask type: single color
Motion Detection	yes
Audio Detection	yes
Video Content Analysis (VCA)	abandoned object, object disappearance, line cross, zone entrance, zone exit, multi loiter, face detection, cross counting, heat map, queue length detection, objects distinguishing
Image Processing	180° image rotation, vertical flip, horizontal flip
Prealarm/Postalarm	up to 5 s/up to 30 s
System Reaction to Alarm Events	e-mail with attachment, saving file on FTP server, saving file on SD card, saving in the cloud storage
Restoring default settings	via web browser, using reset button
LICENCE PLATE RECOGNITION	I (LPR)
Autonomous operation mode	yes - recognition function implemented in the camera
Capacity of License Plate Database	up to 10000 license plates, on all lists.
Types of recognized number plates	all countries of the European Union
Data recorded in the camera base	recognition date/time, number of recognised licence plate, image o recognised licence plate, presence on the "white list" or "black list"
Reactions for the licence plate recognition	e-mail with attachment, saving file on FTP server
IR LED	
LED Number	4
Range	45 m
	45 m yes (hardware support)
Smart IR	
Smart IR INTERFACES	yes (hardware support)
Smart IR INTERFACES Audio Input/Output	yes (hardware support) 1 x RCA/1 x RCA
Smart IR INTERFACES Audio Input/Output Network Interface	yes (hardware support)
Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot	yes (hardware support) 1 x RCA/1 x RCA 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS	yes (hardware support) 1 x RCA/1 x RCA 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB
Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm)	yes (hardware support) 1 x RCA/1 x RCA 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 87 (W) x 83 (H) x 242 (L)
Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight	yes (hardware support) 1 x RCA/1 x RCA 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 87 (W) x 83 (H) x 242 (L) 0.82 kg
Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection	yes (hardware support) 1 x RCA/1 x RCA 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 87 (W) x 83 (H) x 242 (L) 0.82 kg IP 66 (details in the user's manual)
Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection	yes (hardware support) 1 x RCA/1 x RCA 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 87 (W) x 83 (H) x 242 (L) 0.82 kg
Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure	yes (hardware support) 1 x RCA/1 x RCA 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 87 (W) x 83 (H) x 242 (L) 0.82 kg IP 66 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set
Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure Power Supply	yes (hardware support) 1 x RCA/1 x RCA 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 87 (W) x 83 (H) x 242 (L) 0.82 kg IP 66 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set included
Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure Power Supply Surge protection Power Consumption	yes (hardware support) 1 x RCA/1 x RCA 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 87 (W) x 83 (H) x 242 (L) 0.82 kg IP 66 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set included 12 VDC, PoE (IEEE 802.3af, Class 3)
Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure Power Supply Surge protection	yes (hardware support) 1 x RCA/1 x RCA 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 87 (W) x 83 (H) x 242 (L) 0.82 kg IP 66 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set included 12 VDC, PoE (IEEE 802.3af, Class 3) TVS 4000 V

NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM

A memory card is required for the license plate recognition function to work. License plate recognition and face detection functions are available for cameras with firmware $V31.35.8.2.3_xxxx$ and newer.







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