NoVus

Bullet IP Camera

NVIP-5H-4501





KEY FEATURES





















- •Lens: fixed focal, f=2.8 mm/F1.6
- •support for Chrome, Firefox, Opera, Safari browsers
- •D/N function IR cut filter
- •Video content analysis based on Deep Learning
- •Licence plate recognition (LPR)
- $\bullet microSD\ card\ support$
- •WDR with double scan sensor
- •Min. Illumination: 0.03 lx (0 lx, IR on)
- •IR LED, range up to 30 m
- "Two way power" when connected to a PoE switch, it allows to power the low power receiver from the camera's power socket

COMPLIANCE



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	
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
Back Light Compensation (BLC)	yes
Reduction of image flicker (Antiflicker)	yes

LENS

Lens Type	fixed focal, f=2.8 mm/F1.6

DORI

DORI (Detection, Observation, Recognition, Identification) for f = 2.8 mm - D: 56m, O: 22.4m, R: 11m, I: 5.6m

DAY/NIGHT

Mode	day/night switching: mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Delay	1 ~ 36 s
Visible Light Sensor	yes

NETWORK

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	number of streams: 3 (main stream, sub stream, third stream)
Video/Audio Compression	H.264, H.264+, H.265, H.265+/G.711
Number of Simultaneous Conne	ectionsmax. 7 connections, (max. 20 streams in total)
Bandwidth	30 Mb/s in total



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Network Protocols Support	HTTP, TCP/IP, IPv4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, RTP, UPnP, SMTP, P2P, HTML5
Camera Configuration	from Internet Explorer, Firefox, Chrome, Opera, Safari browser • languages: Polish, English, Russian, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC
Mobile applications	ipGO 4 (iPhone, Android)
VIDEO ANALYTICS	
Functions	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi loiter, face detection, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, vehicle detection, intrusion detection, smart motion detection with objects distinguishing
OTHER FUNCTIONS	
Privacy Zones	4 video mask type: single color
Motion Detection	yes
Region of interest (ROI)	8
Audio Detection	yes
Image Processing	180° image rotation, corridor mode, 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, push notification
Restoring default settings	via web browser, using reset button
LICENCE PLATE RECOGNITION	(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 of
	recognised licence plate, presence on the "white list" or "black list"
•	
recognition	recognised licence plate, presence on the "white list" or "black list"
recognition	recognised licence plate, presence on the "white list" or "black list"
recognition IR LED LED Number	recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server
recognition IR LED LED Number Range	recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server
recognition IR LED LED Number Range Smart IR	recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server 2 30 m
IR LED LED Number Range Smart IR	e-mail with attachment, saving file on FTP server 2 30 m yes (hardware support)
recognition IR LED LED Number Range Smart IR INTERFACES Audio Input/Output	recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server 2 30 m yes (hardware support) built-in microphone
recognition IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface	e-mail with attachment, saving file on FTP server 2 30 m yes (hardware support)
IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot	e-mail with attachment, saving file on FTP server 2 30 m yes (hardware support) built-in microphone 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS	e-mail with attachment, saving file on FTP server 2 30 m yes (hardware support) built-in microphone 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
recognition IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm)	recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server 2 30 m yes (hardware support) built-in microphone 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB
IR LED LED Number Range Smart IR INTERFACES Audio Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight	recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server 2 30 m yes (hardware support) built-in microphone 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 71 (Φ) x 150 (L)
LED Number Range Smart IR INTERFACES Audio Input/Output	recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server 2 30 m yes (hardware support) built-in microphone 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket: 71 (Φ) x 150 (L) 0.4 kg







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Power Consumption	2 W • 4 W (IR illuminator on)
Operating Temperature	-30°C ~ 55°C
Humidity	max. 95%, relative (non-condensing)

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.

