



Bullet IP LPR Camera with Motor-zoom Lens

NVIP-2H-8002M/LPR



8000

VSS
PROJECT

FUNCTIONS



KEY FEATURES

- Resolution: 2 MPX
- Lens: motorized, auto-iris and auto-focus function, f=7 ~ 22 mm/F1.4
- D/N function - IR cut filter
- Licence plate recognition (LPR)
- SD card support
- WDR with double scan sensor
- Min. Illumination from 0.0014 lx (0 lx, IR on)
- IR LED, range up to 60 m

DIMENSIONS



Image	
Image Sensor	2 MPX CMOS sensor 1/2.8" SONY Exmor R STARVIS
Number of Effective Pixels	1945 (H) x 1097 (V)
Min. Illumination	0.0014 lx/F1.4 - color mode, 0 lx (IR on) - B/W mode
Electronic Shutter	auto: 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 Image Stabilization (DIS)	yes
Digital Noise Reduction (DNR)	2D, 3D
Defog Function (F-DNR)	yes
Highlight Compensation (HLC)	yes
Back Light Compensation (BLC)	yes
Lens	
Lens Type	motorized, auto-iris function, f=7 ~ 22 mm/F1.4
Auto-focus	zoom trigger, manual trigger
Day/Night	
Switching Type	mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
Switching Delay	0 ~ 180 s
Switching Schedule	yes
Visible Light Sensor	yes
Network	
Stream Resolution	1920 x 1080 (Full HD), 1280 x 720 (HD), 640 x 480 (VGA), 640 x 360, 352 x 288 (CIF), 320 x 240 (QVGA), 704 x 576, 704 x 480
Frame Rate	30 fps for 1920 x 1080 (Full HD) and lower resolutions
Multistreaming Mode	3 streams
Video/Audio Compression	H.264, H.264 Smart, H.265, H.265 Smart, MJPEG/G.711, RAW_PCM
Number of Simultaneous Connections	max. 8
Bandwidth	40 Mb/s in total
Network Protocols Support	HTTP, TCP/IP, IPv4, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTP, PPPoE, SMTP
Camera Configuration	from Internet Explorer browser languages: Polish, English, Russian, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS
Other functions	
Privacy Zones	4
Motion Detection	yes
Region of interest (ROI)	8
Video Content Analysis (VCA)	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi loiter, abnormal speed, converse, illegal parking
Image Processing	180° image rotation, sharpening, mirror effect, corridor mode
Prealarm/Postalarm	up to 5 MB/up to 86400 s
System Reaction to Alarm Events	e-mail with attachment, saving file on FTP server, saving file on SD card, playback of the audio message
Licence plate recognition (LPR)	
Autonomous operation mode	yes - recognition function implemented in the camera
Capacity of License Plate Database	up to 3000 license plates, on all lists.
Types of recognized number plates	all countries of the European Union / CIS countries / Turkey / Israel / Switzerland / Norway and others
Barrier control	yes - built-in relay output
Recommended maximum speed of the vehicle	up to 50 km/h
Reactions for the licence plate recognition	saving file on FTP server, alarm output activation
IR LED	
LED Number	8
Range	60 m
Angle	80°
Interfaces	
Video Output	BNC, 1.0 Vp-p, 75 Ohm - maintenance only
Audio Input/Output	1 x RCA/I x RCA
Alarm Input/Output	1 (NO/NC)/1 relay type (max. 12VDC/300mA)
RS-485	yes
Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Memory Card Slot	SD - capacity up to 128GB
Installation parameters	
Dimensions (mm)	with bracket: 110 (Ø) x 377 (L)
Weight	1.7 kg
Degree of Protection	IP 66 (details in the user's manual)
Enclosure	aluminium, white, fully cable managed wall mount bracket in-set included
Power Supply	12 VDC, PoE (IEEE 802.3af, Class 3)
Surge protection	TVS 4000 V
Power Consumption	4 W, 14.5 W (IR and heater on)
Operating Temperature	-30°C ~ 60°C
Humidity	max. 90% relative (non-condensing)

Built-in Heater/Fan

yes/no

The above data applies to cameras with firmware v3.6.0804.1004.89.0.15.6.5.D05