

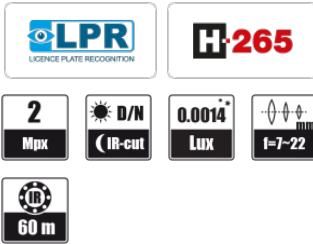


Bullet IP LPR Camera with Motor-zoom Lens

NVIP-2H-8002M/LPR



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), 704 x 576, 704 x 480, 640 x 480 (VGA), 640 x 360, 352 x 288 (CIF), 320 x 240 (QVGA)
Frame Rate	30 fps for and lower resolutions
Multistreaming Mode	number of streams: 3
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, RTSP, PPPoE, SMTP
ONVIF Protocol Support	Profile S
Camera Configuration	from Internet Explorer browser languages: Polish, English, Russian, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS
Video Analytics	
Functions	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi loiter, abnormal speed, wrong direction, illegal parking
Other functions	
Privacy Zones	4
Motion Detection	yes
Region of interest (ROI)	8
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/1 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)
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