NOVUS

Bullet IP LPR Camera with Motor-zoom Lens

NVIP-2DN5021H/IRH-1P/LPR

5000 IP SERIES

FUNCTIONS

LPR LICENCE PLATE RECOGNITION | 2 Mpx | D/N IR-cut

0.01 Lux | f=7~22 mm | 70 m

KEY FEATURES

- Resolution: 2 MPX
- Lens: motorized, auto-iris and auto-focus function, f=7 ~ 22 mm/F1.2
- D/N function - IR cut filter
- Licence plate recognition (LPR)
- SD card support
- Min. Illumination from 0.01 lx (0 lx, IR on)
- IR LED, range up to 70 m

DIMENSIONS

110 mm (Ø)

377 mm

Image	
Image Sensor	2 MPX CMOS sensor 1/2.9" SONY Exmor
Number of Effective Pixels	1984 (H) x 1105 (V)
Min. Illumination	0.01 lx/F1.2 - color mode, 0 lx (IR on) - B/W mode
Electronic Shutter	auto/manual: 1 s ~ 1/10000 s
Digital Slow Shutter (DSS)	up to 1 s
Wide Dynamic Range (WDR)	yes
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/F1.2
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 1920 x 1080 (Full HD) and lower resolutions
Multistreaming Mode	2 streams
Video/Audio Compression	H.264, MJPEG/G.711, RAW_PCM
Number of Simultaneous Connections	max. 8
Bandwidth	25 Mb/s in total
Network Protocols Support	HTTP, TCP/IP, IPv4, UDP, HTTPS, Multicast, FTP, DHCP, DNS, DDNS, NTP, RTSP, 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)	5
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
Licence plate recognition (LPR)	
Autonomous operation mode	yes - recognition function implemented in the camera
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
Data recorded in the camera base	recognition date/time, number of recognised licence plate, image of recognised licence plate, vehicle movement direction, system reaction, presence on the "white list" or "black list", country of origin of the registration plate
Reactions for the licence plate recognition	e-mail with attachment, saving file on FTP server, alarm output activation
IR LED	
LED Number	17
Range	70 m
Angle	50°
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)
Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Memory Card Slot	SD - capacity up to 64GB
Installation parameters	
Dimensions (mm)	with bracket: 110 (Φ) 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)
Power Consumption	6 W, 15 W (IR and heater on)
Operating Temperature	-30°C ~ 60°C
Humidity	max. 90%, relative (non-condensing)
Built-in Heater/Fan	yes/no