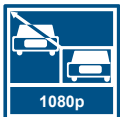# LPR610

2-Megapixel IR Bullet LPR/ANPR Network Camera

1/2.7" Lumii sensor, H.264, 1080p, multi-lane, ICR day/night, 30m(100ft) IR, IP66

The LPR610 is a 2MP IR Bullet LPR camera engineered for mid-range traffic surveillance, suitable for LPR applications up to 180km/h. Featuring 1080p resolution, the LPR610 captures multi-lane LPR in high definition. This industry-leading traffic network camera utilizes the proprietary technology to deliver clearer images of critical traffic information in detail, regardless of the lighting conditions. The advanced Intelligent Traffic Mode and Profile functionalities are designed to optimize the identification results. The vandal-resistant, die-cast aluminum alloy housing with the built-in heater ensures operation under adverse environment.

Multi-lane Traffic Monitoring

Monitor multiple traffic lanes simultaneously and reduce costs without needing multiple cameras, thanks to the camera's x2.5 coverage range compared to D1. The Full HD resolution provides superior image quality as every detail comes through in razor-sharp megapixel clarity.

Easy Operation with IP Technology

The LPR610 provides simple, flexible setup and control that can be done from remote locations via the existing IP network. A variety of video detections and event management capabilities serve as a complementary tool to enhance the monitoring experience.

Customizable Profile Configuration

Providing users with full flexibility to configure and apply optimized parameter settings for different time frames up to 4 customizable profiles to meet the variation in environmental factors during a day.

Intelligent Traffic Mode

Built in with 4 preset modes with optimized parameter settings in accordance with different car speeds and camera angles to help inexperienced users easily achieve the best capture results in these preprogrammed scenarios, e.g. city surveillance, highway, entry point/toll station, and parking lot.

Specifications

Video

Sensor Type	1/2.7" image sensor optimized for low-light performance
Active Pixels	1920x1080 (HxV)
Compression	H.264 / MPEG4 / Motion JPEG
Streaming	Triple simultaneous streams
Resolution	1080p, SXVGA, 720P, XGA, SVGA, D1, VGA, 2CIF, CIF
Max. Frame Rate	2MP 16:9 (1920x1080) at 30/25fps (NTSC/PAL)
Day/Night	Mechanical (ICR) D/N Control
Day/Night Mode	Auto/ Forced BW/ Forced Color/ External
Shutter Time	1/10000s to 1/3.75s selectable (60Hz); 1/10000s to 1/3.125s selectable (50Hz)
Minimum Illumination	0.08 Lux @30IRE; 0.20 Lux @50IRE (Shutter Speed: 1/15 sec)
Video Output	NTSC: 720 X 480 @30fps; PAL: 720 X 576 @25fps
Bit Rate Control	CBR/VBR

Lens

Lens Type	Built-in; Varifocal
Focal Length	f=7.5-50mm, F1.5
Focus / Zoom	Manual
View Angle	H: 42.2°(Wide)~6.8°(Tele) V: 23.6°(Wide)~3.8°(Tele)
IRIS Control	DC IRIS

IR LEDs

LED Quantity	96 pcs (850nm)
IR Distance	15-30m (50-100ft)
IR turn on status	Under 5 Lux by auto control
LED Life	More than 10,000 hours (50°C)

Audio

Audio Communication	Two-Way Mono Audio, Full-Duplex
Compression	G.711, PCM, 8kHz
Audio In/Out	External microphone and speaker

Image Enhancement

Image Settings	Exposure Mode: Auto Exp./Manual Exp./Auto IRIS; White Balance: Auto/Manual; Backlight Compensation: 5x5 zones selectable; Gain, Sharpness, Saturation, Brightness, Contrast: 255 level sensitivity
WDR	Digital WDR; 5 level sensitivity
DNR	-
Privacy Zone	Yes; customized threshold privacy zone
Image Orientation	Mirror, Flip
Frequency Control	NTSC(60Hz)/ PAL(50Hz)
Date & Time Stamp	Yes

Intelligent Video & Event Management

Motion Detection	Yes, 5-level sensitivity
Others	Ethernet / Blur / Audio Detection, Snapshot, Smart Focus, e-PTZ, Optimized i-frame setting
Event Actions	File upload via FTP, SMTP and SD Card; Notification via email, HTTP and TCP External output activation; Video and audio recording to SD Card
Store Category	Event snapshot, Edge recording, Manual Snapshot, Manual Recording
Intelligent Traffic Mode	4 modes including City Surveillance, Highway, Entry/Toll and Parking lot
Profile	4 customizable parameters options to meet various field conditions for best performance on 24/7 application

Local Storage

Memory Card Slot	Micro SD / Micro SDHC Card up to 32 GB
Overwrite	Yes

Network

Protocol	IPv4, TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTP, FTP, RTP, RTSP, RTCP, ICMP, UPnP
Ethernet	10Base-T/100Base-TX Ethernet connection for LAN / WAN, RJ-45
ONVIF	Yes
Browser	IE Browser 6.0 or above
Security	Two-level access with password protection

I/O & Controls

Power	Screwless Terminal block
Power LED Indicator	Yes
Alarm In/Out	Terminal Block 2 in / 1 out
Network	RJ-45 with LEDs
Audio In/Out	3.5mm Phone Jack 1 in / 1 out
Analog Video	BNC X1, 1.0Vp-p, 75Ω
System Reboot	Reset x 1
Factory Default	Within 5 secs to reboot; More than 5 secs to load default

Power

Power Requirement	AC 24V ± 10%
Power Consumption	45W max

Mechanical

Dimensions(ΦxH)	422 x 174 x 145mm (16.6" x 6.9" x 5.7")
Weight	6000g (13.22lb)
Protection	IP66

Environmental

Operating Temp.	-40°C ~ 50°C (-40°F ~ 122°F)
Operating Humidity	90% RH, non-condensing
Storage Temp.	-40°C ~ 60°C (-40°F ~ 140°F)

Regulatory

Approvals	CE, FCC, RoHS

Ordering Information

Model No.	NTSC: LPR610-N2-US-MES; PAL: LPR610-P2-EU-MES
Accessories	Easily adjustable 2-axis and cable-concealed bracket with standard package

Dimensions

174mm (6.87")
422mm (16.70")
366mm (14.46")
145mm (5.75")
286mm (11.32")

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MESSOA reserves the right to update this datasheet at any time without notice.
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