AMANO

Join & Enjoy the AMANO LPR Boom!

AMANO, the smart parking expert, offers a Cashless & Touchless License Plate Recognition (LPR) Package:

Suitable for small to large parking deployments:
Office Towers, Hotels, Malls, Airports, Hospitals, Municipalities, Sport & Exhibition Halls, Colleges & Universities, Commercial Buildings etc.

M-Series for a small parking site (1 in & 1 out lane):

- Advanced AMANO Cloud Parking Management System
- 2 x hi-res **M-Series** LPR Camera, ≥ 99% accuracy
- 2 x hi-res LED Display with pole
- 1 x on-premise LPR Server with software
- Digital transformation ready
- Support **eWallet Direct** ™
  (including first-year maintenance & cloud software subscription)

COMMERCIAL OPTIONS
- Outright Purchase;
- Zero CAPEX scheme;
- Operation Outsource scheme

ADD-ON / REPLACEMENT OPTIONS:

BENEFITS:
- 2-years limited hardware warranty
- FREE Metrology Compliance Application & Cost
- Zero Capex and operation outsource scheme is available

1
Replacement
M-Series Replaced with:
- 2 x **H-Series**

2
Replacement
M-Series Replaced with:
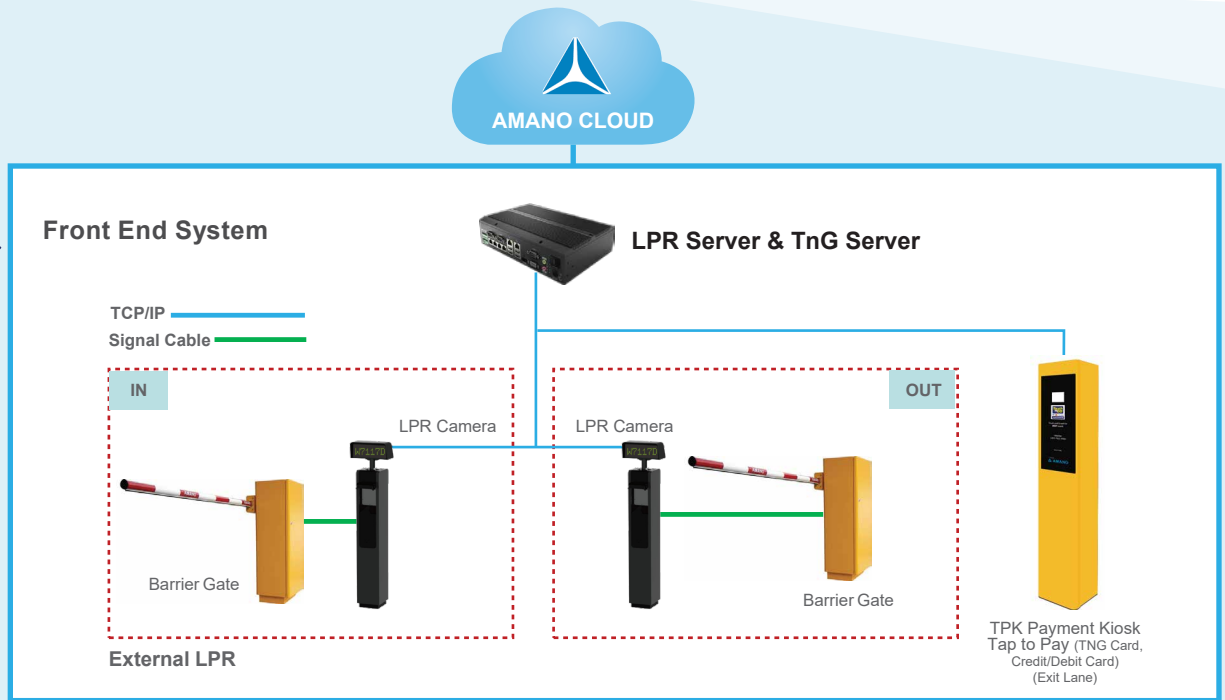- 2 x **L-Series**

3
Add-On
TnG, CC/DC Cashless Kiosk
- 1 x Exit TPK-2
- 1 x TnG Server
- 1 x Handheld Validator

4
Add-On
Setup & Installation (within Island), Training & Implementation

AMANO SYSTEM DIAGRAM

Front End System

LPR Server & TnG Server

AMANO CLOUD

TCP/IP ———

Signal Cable ———

IN

LPR Camera

Barrier Gate

External LPR

LPR Camera

OUT

Barrier Gate

TPK Payment Kiosk
Tap to Pay (TNG Card, Credit/Debit Card)
(Exit Lane)

SPECIFICATIONS

Category	Specification	Value
Camera	Image Sensor	1/3" Progressive Scan CMOS
	Min. Illumination	Color: 0.022Lux@(F1.2, AGC ON), B/W: 0.011Lux@(F1.2, AGC ON)
	Shutter Speed	1/30 s to 1/100,000 s
	Lens	3.1 mm to 6 mm
	IR Cut Filter	Support
Compression	Video Compression	H.264/H.265/MJPEG
Standard	Video Bit Rate	32 Kbps to 16 Mbps
Image	Image Format	JPEG
	Max. Resolution	1920 × 1200
	Frame Rate	25 fps(1920 × 1200)
	Image Settings	Saturation: 0 to 100, Brightness: 0 to 100, Contrast: 0 to 100, Gain: 0 to 100
		3D DNR: Off, Normal and Expert modes are selectable.
		White balance: White Balance 1 and White Balance 2 are selectable.
Snapshot	Picture Format	JPEG with configurable quality
	Analytic	Support ANPR
	LED Control	Support automatic light control/time control of LEDs
Network	Storage	TF
	Protocols	TCP/IP, HTTP, DHCP, DNS, RTP, RTSP, NTP, FTP Upload Pictures
	Security	User Authentication, Heartbeat, NTP
	API	ISAPI, SDK
Interfaces	Communication Interface	1 RJ45 10M/100M Ethernet port
	Serial Port	1 RS-485 Port
	Built-in LED	2 built-in LEDs (integrated white light and IR)
	Audio Output	1-ch audio output
	Triggered Input	3-ch triggered input, including 1-ch I/O triggered input and 2-ch alarm input
	Relay Output	2-ch relay output, support open/close of barrier gates
	Memory Card Slot	1 TF card slot, up to 128GB
General	Working Temperature	-25°C to 70°C (-13°F to 158°F)
	Working Humidity	90% or less (non-condensing)
	Power Supply	12 VDC, PoE (802.3af) or AC100V~240V
	Power Consumption	22W Max
	Protection Level	IP67, IK10