

The Cashless & Touchless Experience



TIMETEC SMART LPR PARKING

TimeTec Smart LPR – H Series & M Series for License Plate Recognition System can read car plate numbers to the highest accuracy, up to 99.8% for standard car plate number. The system is a popular parking access method in the TimeTec Smart Parking ecosystem to achieve a ticketless, cashless, and touchless experience for casual and season parking. TimeTec Smart LPR can be integrated with eWallets for seamless parking payment, or Scan QR, APM Autopay Machine before exit, or Payment (Exit TPK) for TNG card or credit/debit card payment at the exit lane.

- MACHINE LEARNING**
Embedded with deep learning technology that constantly improves reading accuracy.
- TOUCHLESS PARKING ACCESS**
Hands-free when entering and exiting parking sites.
- MULTIPLE PAYMENT METHODS**
Support credit card, debit card, eWallet, FPX, TnG Card, etc.
- ANALYTIC DASHBOARD**
Real-time, improve management efficiency.
- MULTIPLE LOCATIONS**
Centralize management and reporting, improve productivity.
- VALIDATION FEATURE**
Promo code made easy, suitable for shopping malls, hotels, convention halls, etc.
- ONE-STOP PMS**
Consolidate all season parking and casual parking.
- CONNECT TO NEXT ACTIVITIES**
Liberate data flow to build a better ecosystem for smart building.
- TIMETEC LPR H SERIES**
All-in-one LPR kiosk, 2MP HD camera, 21.5 inch LCD Display that supports TimeTec i-Adhub for advertisement, photosensitive fill light in an exquisite housing
- TIMETEC LPR M SERIES**
All-in-one pole mounted LPR kiosk with 2MP HD camera, LED display, photosensitive fill light.



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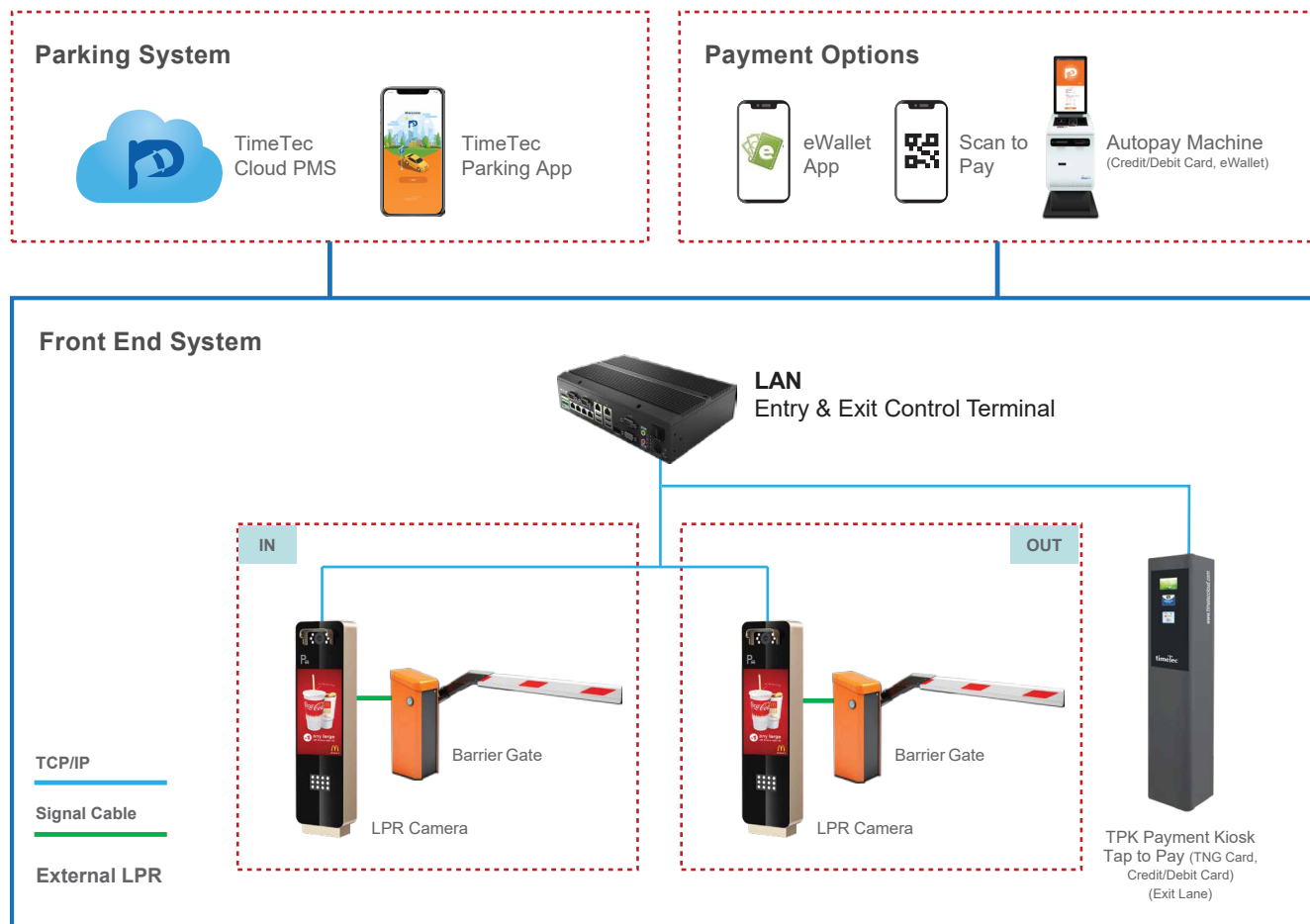


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Read More

SYSTEM DIAGRAM



SYSTEM COMPONENTS

LPR Camera



H Series

DESCRIPTION		SPECIFICATIONS
BASIC	Model	H Series
INFORMATION	Type	2MP overall unit smart camera, dualcore 900MHz processor+CNN hardware acceleration engine (0.5 Tops)
IMAGING	Image Sensor	1/2.8" starlight-level CMOS
	Max Resolution	1980 x 1080
	Lowest illumination	0.01Lux (Color)
	ISP	Supports VZ intelligent ISP, scene-adaptive
	Data Output	H265/H264/WMPEG/intelligent detection structured data output
LENS	Standard Configuration/Optional Configuration	Standard 6mm prime lens; optional 2.8~12mm, 6~22mm, 5~50mm motorized zoom lenses
AUDIO	Voice Intercom	Supports cloud local two-way voice intercom, audio coding G.711/AAC
INTELLIGENT	Comprehensive capturing recognition rate	Comprehens Recognition Regionsive capturing rate ≥99.99%; comprehensive recognition rate≥90%
ALGORITHM	License Plate Recognition	Malaysia ≥99.8%, Poland, Germany, France, Brazil, Kenya, Ukraine, Indonesia, Vietnam, Denmark, Israel, Romania, Regions Moldova, Azerbaijan, Switzerland, Slovakia, Netherlands, Serbia, Uzbekistan, Turkey, Kyrgyzstan, Ukraine, Greatbritain, Italy, Croatia≥90% Monaco, Estonia, Czechrepublic, Portugal, Bulgaria, Luxembourg, Finland, Montenegro, Thailand, Slovenia, Hungary, Latvia, Russia, Kazakhstan, Lithuania, Norway, Belgium, Cyprus, Sweden, Georgia, Belarus, Spain≥98%
VIR 5.0	License Plate Recognition Function	White list of license plates, intelligent calibration
INTERFACE	Network Interface	1 channel 10/100Mbps adaptive RJ45
	Other Interfaces	IO output: 2 channel, IO input: 4 channel, RS485: 1 channel
	AUDIO	1 input (LINE & MIC) + 1channel output (Passive)
	USB	1 USB Type A interface (optional 4G module)
	TF Card Slot	1 TF card slot, supporting 512G at maximum
MANAGEMENT	Service	Basic services, supporting various types of secondary development

SYSTEM COMPONENTS

LPR Camera



L Series

DESCRIPTION		SPECIFICATIONS
BASIC	Model	L Series
INFORMATION	Type	2MP overall unit smart camera, dualcore 900MHz processor+CNN hardware acceleration engine (0.5 Tops)
IMAGING	Image Sensor	1/2.8" starlight-level CMOS
	Max Resolution	1980 x 1080
	Lowest illumination	0.01Lux (Color)
	ISP	Supports VZ intelligent ISP, scene-adaptive
	Data Output	H265\H264\JPEG\intelligent detection structured data output
LENS	Standard Configuration/ Optional Configuration	Standard 6mm prime lens; optional 2.8~12mm, 6~22mm, 5~50mm motorized zoom lenses
AUDIO	Voice Intercom	Supports cloud local two-way voice intercom, audio coding G.711/AAC
INTELLIGENT	Comprehensive capturing recognition rate	Comprehens Recognition Regionsive capturing rate ≥99.99%; comprehensive recognition rate≥90%
ALGORITHM	License Plate Recognition	Malaysia ≥99.8%, Poland, Germany, France, Brazil, Kenya, Ukraine, Indonesia, Vietnam, Denmark, Israel, Romania, Regions Moldova, Azerbaijan, Switzerland, Slovakia, Netherlands, Serbia, Uzbekistan, Turkey, Kyrgyzstan, Ukraine, Great Britain, Italy, Croatia≥90% Monaco, Estonia, Czech Republic, Portugal, Bulgaria, Luxembourg, Finland, Montenegro, Thailand, Slovenia, Hungary, Latvia, Russia, Kazakhstan, Lithuania, Norway, Belgium, Cyprus, Sweden, Georgia, Belarus, Spain≥98%
VIR 5.0	License Plate Recognition Function	White list of license plates, intelligent calibration
INTERFACE	Network Interface	1 channel 10/100Mbps adaptive RJ45
	Other Interfaces	IO output: 2 channel, IO input: 4 channel, RS485: 1 channel
	AUDIO	1 input (LINE & MIC) + 1channel output (Passive)
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	TF Card Slot	1 TF card slot, supporting 512G at maximum
MANAGEMENT	Service	Basic services, supporting various types of secondary development

CONTROL TERMINAL



With the Win10 operating system, is a fan-free, low-consumption, but high-performance embedded control terminal in entrance and exit. Support LPR Camera, Control barrier gate, entrance and exit charging function 2x I/O interfaces, 4x re-lays outputs, 1x VGA output, 1x Audio I/O, 1x HDMI output (2T) 2TB HDD included.

DESCRIPTION	SPECIFICATIONS
GENERAL	
Working Temperature	-20 °C to 70 °C (-4 °F to 158 °F)
Working Humidity	10 % to 95% (No Condensation)
Dimension	245 mm x 65 mm x 170 mm (9.65" x 2.56" x 6.69")
Power Supply	12 VDC/5 A
Power Consumption	Max.: 50 W Average: 25 W
Material	Black Aluminum Material
PROCESSOR	
Processor	Apollo Lake Platform Processor
Basic Frequency/ Memory	1.5 GHz, 4 GB
Hard Disk	1 x 3.5" Surveillance-Level Hard Disk (Optional Capacity: 1T/2T/4T)
Indicator	4 Indicators (1 x System Indicator, 1 x Hard Disk Status Indicator, 1 x Power Indicator, 1 x Alarm Indicator)
AUDIO AND VIDEO	
Audio Input/ Output	1-ch Audio Input (MIC IN), 1-ch Audio Output (AUDIO OUT)
Video Output	1 x HDMI, 1 x VGA
ALARM	
Alarm Input	4-ch Alarm Input (ALARM IN), Voltage Range: 0 V to 60 V
Alarm Output	4-ch Alarm Output (ALARM OUT), Voltage Range: 0 V to 60 V
INTERFACE	
Network Interface	5 x 100 Mbps/1000 Mbps Self-Adaptive Interface, supporting connecting with switch 1 x Independent 100 Mbps/1000 Mbps Self-Adaptive Interface, supporting network isolation
Interface	2 x RS-232, 2 x RS-485, 4 x USB 3.0 Interface

UNATTENDED TIMETEC PAYMENT KIOSK

TPK

The slim and weatherproof TimeTec Parking Kiosk, TPK, is perfectly integrated with TimeTec LPR and to be placed at the exit lane as back up payment kiosk. The TimeTec TPK is designed to stand extreme indoor and outdoor environments for long-lasting use.



DESCRIPTION	SPECIFICATIONS
Enclosure	Slim, Epoxy powder coated
Screen	Non Touch Color Screen 7" LED Display
Reader	- TnG Mifare Card Tap Reader-TnG - Proximity Reader (Season)-RFID
Microprocessor	Raspberry Pi 3 Model B+ 1.4GHz 64-bit quad-core ARM Cortex-A53 CPU
Dimension (L X W X H), mm	250 x 200 x 1320
Communication	- Method: 4G Module - Ethernet: RJ45 Port
Intercom	- Microphone: IP Microphone - Speaker: Yes
Operating Environment	- Waterproof rating: IP65 - Temperature: -20°C to 60°C - Humidity: 10% ~ 90% - Power input: DC12V 3A
Software	- Cloud system: TimeTec Parking System - Mobile App: TimeTec Parking App for Android & iOS
Software Language	English, Malay, Chinese (Traditional), Chinese (Simplified), Spanish, Thai, Indonesian, Arabic, Vietnamese, Portuguese, Hindi, Japanese, Turkish

Our SMART PARKING ECOSYSTEM

FRONT END

Off-Street Parking Solution (Cashless) Visitor & Season Parking

TnG Card & RFID (Malaysia)

Credit/ Debit Card Access

QR Code (BLE 2)

License Plate Recognition (LPR)

On-Street Parking Solution (Cashless)

Parking App

Off-Street Parking Solution (Cash)

Parking Ticket

BACK END

timeTec Parking Management System (Cloud-Based)



Digital Gateway

NEXT ACTIVITIES FLOW

(Digital transformation ready)

Malls, Offices buildings, Schools, Government etc

Security

- Surveillance
- Alarm
- Guard Patrolling



Commercial Shopping Mall

- Advertisement
- Merchant Listing
- Promo Code



People Flow - Visitor

- Pre-register Visitor
- Visitor Arrival Notification
- Access Control
- Host Absorbs Parking Fees



People Flow - Employee

- Access Control
- Parking Barrier, Door, Turnstile, Lift



Workforce Management

- Attendance Clock-In
- Leave Management
- Parking Airbnb



We do better CLOUD SOLUTIONS

PROFILE, SUPPORT & BACKEND SECURITY

