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2024

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01

Touch 'n Go Parking

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UNATTENDED PAYMENT KIOSK
TPK 2

The slim and weatherproof TimeTec Parking Kiosk, TPK 2 is designed to stand extreme indoor and outdoor environments for long-lasting use, and it is a sophisticated parking machine for operators/building owners to ensure safe round-the-clock collection of parking fees. TPK 2 supports Touch 'n Go card, Touch'n Go RFID, credit/debit cards, and e-Wallet cashless payment.

TPK 2 has been seamlessly integrated with the cutting edge cloud technology of TimeTec Parking system, making it suitable for both casual and seasoned parking, and across multiple parking sites. It provides a better parking experience for users, which increases parking revenue for building owners.

Technical 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 & iO
Software Language	English, Malay, Chinese (Traditional), Chinese (Simplified), Spanish, Thai, Indonesian, Arabic, Vietnamese, Portuguese, Hindi, Japanese, Turkish

Jellies V1, is a credit card/debit card reader added on to the TPK. It is a contactless reader (NFC) designed with powerful processor and extensive connectivity feature to be fitted in any environment from indoor to outdoor, and attended to unattended. The reader is equipped by ARM9 Linux processor, WIFI, 3G/4G, ETH, and other optional features such as QR Camera and USB Host. Dual-MCU solution to provide flexibility and combination of computing power to process complex calculation and algorithm, going beyond high performance and low power consumption. Equipped with high-capacity memory to support heavy buffering process for example file caching and image processing. The Jellies V1 has been certified EMV Contactless Level 1, Visa payWave, MasterCard PayPass, MYDEBIT, and AMEX. Also, APIs are provided to access Mifare, ISO14443 Type A, Type B and NFC interfaces which increase the flexibility third party kernel integration.

Technical Specifications

Contactless	Mifare, Desfire, ISO14443-A, ISO14443-B, Type-C Felica. CIPURSE, NFC Peer-to-peer mode initiator
SAM	8 x SAM Slots, ISO7816 T=0,1 Protocol
EMV	EMVCo Level 1 version 2.2, Visa Paywave, MasterCard
Memory	PayPass
TFT Micro - SD	YES
Data Cable	RS232 Serial up to 115200bps, USB2.0 Fullspeed
ETH LAN	YES
Wi-Fi	OPT
3G	YES
QR	YES
GPS	OPT
LCD	3.5" 320x240px, 16-bits Color"
LED	4x LED indicators, front and rear
LED Ring	256-steps RGB color LED Ring
Compliances	EMVCo Level 1 version 2.2, Visa Paywave, MasterCard

02

License Plate Recognition

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Technical Specifications

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\MJPEG\ intelligent detection structured data output
Lens	Standard Conguration/Optional Conguration: 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
Inteligent	Comprehensive capturing recognition rate: - Comprehens Recognition - Regionsive capturing rate 99.99%; - comprehensive recognition rate90%
VIR 5.0	License Plate Function: Recognition 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
Algorithm	License Plate Recognition: Malaysia 99.8%, Poland, Germany, France, Brazil, Kenya, Ukraine, ndonesia, Vietnam, Denmark, Israel, Romania, Regions Moldova, Azerbaijan, Switzerland, Slovakia, Netherlands, Serbia, Uzbekistan, Turkey, Kyrgyzstan, Urkaine, 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%

- 1/2.8" Progressive Scan CMOS
- Up to 1920 × 1200 resolution with real-time video
- 2x pics high-performance IR LEDs (Valid for IR camera models)
- 3.1 to 9mm motorized vari-focal lens
- Support relay output to control vehicle barrier
- Support loop triggering or video triggering
- Support multi-frame LPR
- Support dirty license plate recognition
- Support quick pass of multiple vehicles
- Support vehicle type, vehicle color and vehicle brand recognition
- Integrated shield, lights, TF Card (up to 128 G)
- Up to 30,000 whitelists
- Offline control
- PoE (802.3af)
- One-touch focus
- Manual capture and ANPR

Technical Specifications

CAMERA	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination Color	0.002Lux@(F1.2, AGC ON) B/W: 0.002Lux@(F1.2, AGC ON)
Shutter Speed	1/30 s to 1/100,000 s
Lens	3.1 mm to 9 mm
IR Cut Filter	Support
COMPRESSION STANDARD	
Video Compression	H.265, H.264
Video Bit Rate	32 Kbps to 16 Mbps
IMAGE	
Max Resolution	1920 × 1200
Image Setting 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.
Image Format	JPEG
Frame Rate	25 fps(1920 × 1200)
NETWORK	
Network Storage	TF
Protocols	TCP/IP, HTTP, DHCP, DNS, RTP, RTSP, NTP, FTP Upload Pictures
Security	User Authentication, Heartbeat, NTP
APII	SAPI, SDK

INTERFACES	
Serial Port	1/2.8" Progressive Scan CMOS
Built in LED	2 built-in LEDs
Audio Output	1-ch audio output
Triggered Input	3-ch triggered input, including 1-ch I/O triggered input & 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
Communication Interface	1 RJ45 10M/100M/1000M Ethernet port

GENERAL	
Working Temperature	-30°C to 70°C (-22°F to 158°F)
Working Humidity	90% or less (non-condensing)
Power Supply	12 VDC, PoE (802.3af)
Power Consumption	12 VDC, 1.0 A, 20 W
Protection Level	IP67, IK10

SNAPSHOT	
Analytic	Support LPR
LED Control	Support automatic light control/time control of LEDs
Picture Format	JPEG with configurable quality

GENERAL	
Vehicle Color	Red, yellow(including orange), green, blue, purple, brown, white, grey(including silvery), black
Vehicle Brand	Hyundai, Toyota, Kia, Honda, Volkswagen, Benz, Nissan, Ford, ISUZU, BMW, Chevrolet, Mitsubishi, Renault, Opel, Suzuki, Skoda, Daewoo, Audi, Mazda, Hino, Peugeot, Ssang Yong, Citroen, Fiat, Scania, MAN, Volvo, Lexus, Seat, Land Rover, Daihatsu, UD Trucks, Subaru, IVECO, MINI, Jeep, Porsche, Chery, Dodge, Chrysler, Acura, Alfa Romeo, Great Wall, Infiniti, Smart, SAIC Maxus, JAC, Jaguar, GMC, Lincoln, JMC, SAAB, FAW, Yutong, Mercury, Joylong, Geely, Cadillac, Jinbei, Ankai, Haima, Foton, King Long, Dongfeng, Emgrand
Country/Region Supported By LPR	European and Russian-Speaking Regions: Turkey, Croatia, Slovakia, Czech Republic, Bulgaria, Macedonia, Hungary, Greece, Poland, France, Netherlands, Switzerland, Spain, United Kingdom, Ireland, Germany, Italy, Austria, Israel, Ukraine, Kyrgyzstan, and Russian Federation
LPR Recognition Accuracy (Under Recommended Installation & Lighting Conditions)	Capture rate > 98% Vehicle moving direction recognition accuracy > 96% Mistaken capture rate < 2% (entry/exit), < 5% (checkpoint) European and Russian- Speaking Regions: LPR accuracy > 98% Country/Region recognition accuracy > 98%
Vehicle Type	Car (including SUV, MPV, Pickup)/truck/bus/van

• Placed in the entrance & exit of a parking lot, displays the information including available parking space, license plates, welcome greetings, time, audio reminders, etc.

• Displaying standard English characters, numeric characters, and even other foreign special characters

• Standard communication method is RJ45/ RS485 - both online and offline modes are supported

• Control computer can dictate the content which is displayed

Technical Specifications

Enclosure	AC220V±10%, 50Hz
Screen	1200cd
Reader	110°
Microprocessor	Iron Frame Spraying Plastic(Dark armored glass for display part)
Dimension (L X W X H), mm	Hoop on the back
Communication	4Ω10W
Intercom	IP65
Operating Environment	P4.75
Software	1 Red 1 Green
Software Language	RJ45/RS485
Software	Instant, Left Shift, Up Forward, etc.
Software Language	GB2312 Character Set, 16 * 16 Lattice Chinese
Software	RS485: 57600 bps
Software Language	RS485:1200m,RJ45:120m
Software	Max 50W, Average 30W
Software Language	304mm(Width) 304mm(Height)
Software	364mm(Width)* 484mm(Height)* 60mm(Depth)

Technical Specifications

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

• Fan-free design, but possesses a good cooling effect with the fine aluminum alloy inner structure
• Supports dual 1000 Mbps network card
• Supports standard RS-232 interface
• Built-in 3.5" surveillance-level hard disk, supporting large-capacity image and video storage
• Equipped with 3.5 mm standard audio interface, and HDMI/VGA interfaces

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 Mpbs/1000 Mpbs Self-Adaptive Interface, supporting connecting with switch 1 x Independent 100 Mpbs/1000 Mpbs Self-Adaptive Interface, supporting network isolation
Interface	2 x RS-232, 2 x RS-485, 4 x USB 3.0 Interface

03

Other Parking Methods

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TimeTec UHF 200F (TID) is a long range Wiegand reader that can read RFID signal from cards/ stickers of up to 15-meter distance, giving the smooth access to the barrier gate and providing the users with better automation and perfect hand-free in access control of the parking sites.

TID means "tag ID" and it refers to a unique serial number written to a RIFD microchip when the chip is manufactured. It cannot be altered. The TID or Tag Identifier is 20 bytes or 160 bits, it is a perfect reader to read Touch 'n Go RFID tag for parking system.

Technical Specifications

Reading Distance (Hand held test)	2 to 15 meters (Actual scenario test is around 8m)
Antenna Gain	12dBi
Dimensions (mm)	445 * 445 * 67.5
Weight	3kg
Power	1.2 - 4.5W
Output data partition	EPC, TID
Frequency	F: 902MHz - 906MHz (adjustable)
Communication Interface	Wiegand; RS485; USB configuration parameters
Interface Protocol	EPC global UHF Class 1 Gen 2 / ISO 18000-6C
Working Mode	Read Always (Default) and Read by Trigger
Output Power	19dBm - 30dBm
Protection Level	IP66
Firmware Version	MI610_2021508_V4.00
Working Voltage	DC 9-15V
Working Temperature & Humidity	-20°C - 65°C; <85%
Storage Temperature & Humidity	-20°C - 80°C; <85%
RS485 Communication	Optional baud rate (9600, 19200, 38400, 57600, 115200); the default is 115200

C2-260 is an IP-based two doors mini control panel. It supports TCP/IP communication through LAN or WAN network, and RS485 communication which allows extension to RS485 devices like DM10, AUX485, WR485. The series is a perfect match for the web-based software ZKBioAccess to provide RFID/Biometric Security solution. C2-260 can control two doors by default. It can extend to 8 DM10s at most that it can support up to 10 doors.

Technical Specifications

Number of Doors Supported by Default	2
Number of Auxiliary Inputs	2
Number of Auxiliary Outputs	2
RS485 Extension Por	1
RS485 Reader Port	1
Number of Readers Supported	4
Types of Readers Supported	RS485 card reader, Wiegand reader (WR485)
DM10 (Single-Door Extension Board)	Max. 8
AUX485 (RS485-4 Aux. IN Converter)	2
WR485 (RS485-Weigand Converter)	4
Card Capacity	30,000
Log Capacity	200,000
Communication	TCP/IP, RS485
CPU	32-bit 1.0GHz
RAM	64MB
Power	9.6V - 14.4V DC
Dimensions (L*W*H)	116.47*96.49*31.40 mm
Operating Temperature	-10°C to 50°C / 14°F to 122°F
Operating Humidity	20% to 80%

More often than not, users would face these problems when their vehicles enter or leave a parking site using access card. The gate never opens even though users have waved the access card repeatedly from the inside of your car because the distance between the card and the reader is too far to be readable. Users place the card in a holder that is attached to a windscreen but more than often the card drops making it difficult for you to retrieve it. Worse, the top-notched quality tinted-glass of your car blocks the RFID signal from reading the card, requiring users to wind down the window to gain access or exit to the parking site. It's time to end all of those

frustrations with the transparent anti-torn UHF long range RFID sticker. Simply stick it on the inside or outside of the car's windscreen for the reader to automatically reads it. The sticker is designed weatherproof and its transparency nature made it inconspicuous to the public. The sticker is also embedded with anti-torn safety feature, making it damaged and unusable if someone tries to peel it off. Get the UHF RFID sticker for a perfect hands-free auto-access and secure system for the parking sites without any hassle.

Technical Specifications

Material	Fragile paper
RF Protocol	ISO14443A/B,ISO15693
Chips available	HF:(13.56MHz): MIFARE Classic® 1K, M-FARE Classic® 4K, MIFARE® DESFire® EV1 (2K/4K/8K), MIFAREPlus® (2K/4K), MIFARE Ultralight®, MIFARE Ultralight® EV1, MIFARE Ultralight® C, Ntag213/ Ntag215/Ntag216 , FM11RF08 , ICODE SLI/-L/-X/-S etc
Reading Range	1M-10M
Read/write operation	100,000 times.
Working Life	10 years.
AUDIO AND VIDEO	
Work temperature	-25°C~70°C
Work humidity (%)	20~90
Storage temperature	-30°C~85°C
Weather Proof	YES
Surface Crafts	Laser code, barcode, QR code printing
Printing	screen printing, offset printing etc
Size (mm)	94 x 20 or Customizable.

UHF Card adopts ultra high frequency encrypted chip, especially designed for TimeTec UHF long range reader. The UHF card is ultra thin, easy to carry, the size of standard credit card, with an identifiable reading distance up to 10 meters.

Technical Specifications

Working Frequency	860~928MHz
Reading Distance	Up to 10 meters for UHF1-10E and UHF1-10F
Protocol	ISO18000-6C
Memory Capacity	800 bits
Chip UID	64 bytes
Storage Structure	EPC: 96 bits; TID: 96 bits; User: 512 bits; Password: 64 bits
Data Storage	5 years (Only for chip)
Working Temperature	-30°C ~ 55°C
Storage Temperature	-10°C ~ 40°C
Storage Humidity	40%-50% RH
Dimension	85mm*54mm*0.8mm (error±0.06mm)
Packaging Process	Process Hot Laminating

NOTES :

1. In order to have the best reading performance, please keep the tag's position the same as antenna's polarization direction. Hold the card horizontally when accessing barrier gate.
2. Do not bend the tag, which may cause the damage of the internal chip

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The UHF Heavy Duty Tag is a ultra high frequency encrypted tag for TimeTec UHF long range reader. The UHF tag is suitable for barrier gate access management, with card reading distance up to 10 meters. This tag offers cost effective long range vehicle identification installations requiring tamperproof mounting. The UHF Heavy Duty Tag is an effective solution for installations where the tag needs to be mounted onto the exterior of the vehicle to achieve an automation and a handfree access.

Technical Specifications

Working Frequency	840~960MHz
Reading Distance	Up to 10 meters for UHF1-10E and UHF1-10F
Protocol	ISO / IEC18000-6C, EPC global Class 1 Gen 2
Chip	G2XM
Memory Capacity	272 bits
Storage Structure	EPC: 96bits, UID / TID: 64bits, User: 512bits, Access Password: 32bits, Kill Password: 32bit
Erase Endurance	10,000 times (Only for chips)
Data Storage	20 years (Only for chips)
Enviromental Req	RoHS Certificate
Storage Temperature	0~40°C
Storage Humidity	40%-70% RH
Working Temperature	-30~60°C
Dimension	249 * 13.8 * 18 (mm) ± 0.5 (mm)
Installation	Fixed on the upper and lower edges of the license plate

TimeTec BLE-2 Control Board functions as an intermediary device between a user's Mobile App and the barrier gate controller, where a user can use his/her TimeTec Parking mobile app to scan the QR code that sticks near to the parking barrier. User's mobile App will send a command to TimeTec BLE-2 via Bluetooth connection that translates the command into a digital pulse and instructs the opening of the barrier gate. TimeTec BLE-2 is designed to seamlessly integrate with TimeTec solutions for various deployments, including TimeTec Parking.

Technical Specifications

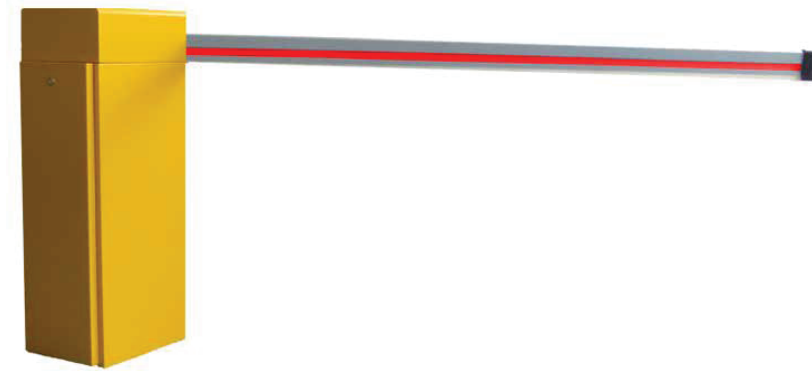|	
CHANNELS	2 FORM C Relay output, NO/NC selected via jumper Wiegand 26-bit input
GATES	Max 2
DIMENSION (MM)	85 (L) x 96 (W) x 33 (H)
POWER INPUT	9 ~ 24 VDC
WORKING TEMPERATURE	0-45°C
HUMIDITY (%)	20-80
CARD STORAGE	30,000
COMMUNICATION	Bluetooth Low Energy (BLE) 4.2, Wiegand 26-bit
BLUETOOTH ENCRYPTION	64-bit TimeTec Proprietary
EFFECTIVE DISTANCE	Max 10 m (Adjustable)
LED INDICATOR	Yes
TRANSACTION RECORDS	Unlimited, stored in cloud server
EVENT CAPACITY	Unlimited, stored in cloud server
MOBILE OS	Android 4.0.2 and above, iOS 8.0 and above
APP & CLOUD	TimeTec Parking, i-TimeTec, TimeTec Access, TimeTec VMS, i-Neighbour
LANGUAGE (APP & CLOUD)	English, Arabic, Malay, Indonesian, Chinese Simplified, Chinese Traditional, Thai, Vietnamese

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04

Parking Barrier

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- Models include right hand(standard) or left hand gate arm position.

- Adjustable arm opening/closing speed.

- Gate arm with LED, two color switching control(Option).

- DC direct drive motor minimizes gate arm drop

Technical Specifications

Input	AC 100~220V 60Hz/50Hz
Power	Standby 1W, Operation 100W, 750mA
Operation time	Gate arm opening / closing speed : 1.5~3 sec.
Size	310(W) x 270(D) x 1020(H)
Weight	45 kg (excluding 3 kg gate arm)
Temperature	-20°C to + 50°C
Humidity	+ 10% to + 80% (non condensing)
Motor	Output 100W / DC24V
Deceleration ratio	100:1
Drive system	BLDC motor direct drive and BLDC control
Case Material	EGI steel plate (cabinet 1.6T / base 2.0T)
Gate Arm	Aluminum Bar 3m (Straight / Folding)

MAG BRD01 is a single channel loop detector. The principle is based on a change in the inductance with the loop which is caused by the metallic component of passing vehicles which are picked up & evaluated by a microprocessor.

Technical Specifications

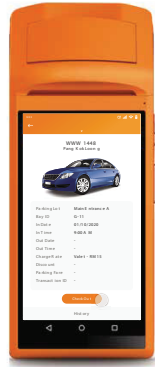|	
Supply voltage	AC 220V
Sensitivity	Adjustable in 3 increments
Operating temperature	-20˚C to +65˚C
Reaction time	100ms
Frequency range	20 kHz to 170 kHz
Loop inductance	Ideal is 80μH to 300μH
Loop connection	< 5 m optimal
Loop connection wiring	Maximum length 200 meters, twisted at least 20 times per meter
Dimension	35 x 74 x 85 mm (W x H x L)
Net Weight	300g

05

Enforcement & Valet Parking

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TimeTec Valet, a cloud-based valet parking system to help valet parking business owner to eliminate the cash handling risk, increase the daily operation efficiency and provide better payment convenience to the valet customers.

Technical Specifications

CPU	Qualcomm Octa-Core ARM Cortex- A53 1.8GHz
OPERATING SYSTEM	Safedroid (Android 10)
MEMORY	2G RAM + 16G ROM
SCREEN	6.0 inch TFT IPS LCD, Multi-touch capacitive screen, Resolution: 1440 x 720
REAR CAMERA	5MP AF Camera with LED flash
PRINTER	High-Speed Thermal Printer, 58mm printing paper, 40mm paper roll
NFC READER	NFC Reader, Supports 14443A/ 14443B
COMMUNICATIONS	4G, WIFI,Bluetooth
FINGERPRINT READER	Semiconductor capacitance 256 x 360 pixel array
ENVIRONMENT	Operating Temperature: -10°C to 50°C Storage Temperature: -20°C to 70°C Humidity: 5% to 95% Relative Humidity, Non-Condensing
SOFTWARE	Preloaded with EVOCity Apps

Technical Specifications

Support TimeTec Parking Officer App on Android smart phone for parking enforcer/officer to print out receipt for valet parking or fine.

Printing Specifications	
Printer Mode	Direct Thermal
Maximum Print	Width: 2"/48mm, Speed: 70mm per second
Resolution	203dpi (8 dots/mm)
Print Life	150km / Each point: 1.5million pulses
Power	11.1 Wh (1500mAh) / 7.4V Rechargeable battery
Character Sets	curve
Programming Languages	ESC/POS CPCL(Compatibility)
Support System	Windows CE/Mobile, Android, IOS
Media Specifications	
Media Width	20mm-58mm
Maximum Media Roll Size	43mm
Media Thickness	1.97~7.09mil
Media Type	Labels, Thermal paper
Communication	
Wired	Type-C
Bluetooth	Bluetooth 2.1+4.2 (BLE)
Physical Characteristic	
Size (L*W*H)	105mm*90mm*54mm
Weight	180g (with battery)
Others	
Charging Time	~2.5h
Stand-by Time	100-120h
Display	OLED screen

The ZQ500 Series comes standard with the latest in Bluetooth connectivity: Bluetooth 4.0 with the multiport radio, your employees can simultaneously operate constantly updated and connected. If users lose their Bluetooth connectivity while on the road, Print Touch™ via NFC technology serves as an alternate option, ensuring users are always connected.

Technical Specifications

Resolution	203 dpi (8 dots per mm)
Maximum Print Width	ZQ510: 2.83"/72mm, ZQ520: 4.09"/104mm
Print Length	Max: 39"
Print Speed	Up to 5"/127mm per second
Connectivity	Apple iOS, Android, Windows Mobile and BlackBerry®
Direct thermal printing	text and graphics
Programming languages	CPCL and ZPL®
Support	XML
Resident	fixed and scalable fonts
Applications	400 MHz 32-bit ARM® processor with 256 MB RAM (8 MB available for user)
Storage	512 MB Flash supports downloadable programs, receipt formats, fonts and graphics (64 MB available for user)
On-The-Go	USB ports (with optional strain relief cable)
Battery	2600 mAh removable Li-Ion smart with optional extended
Battery charger	Built-in
Supports printing	Vertical and horizontal
Bluetooth	4.0 Smart Ready Low Energy radio
Tolerance of multiple	6.6' (2 m) to concrete
QR code	links to web-based help pages; not displayed on LCD
Semi-sleep/instant on mode	which allows the printer to "wake" on touch (Wake on BT only supported in BT 4.0 radio), or on Bluetooth print job transmission

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06

Parking Surveillance

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BARRIER GATE
Amano AK1110

Hikvision ColorVu technology provides 24/7 vivid colorful images with F1.0 advanced lenses, high performance sensors and friendly lighting. F1.0 super-aperture collects more light to produce brighter images. Advanced sensor technology can vastly improve the utilization of available light. In zero-light scenarios, built-in, warm supplemental lighting works to guarantee colorful images.

Technical Specifications

CAMERA	
Resolution	1/2.8" progressive scan CMOS
Maximum Print Width	Color: 0.0035 Lux @ (F1.0, AGC ON) , 0 Lux with white light
Print Length	1/3s to 1/100,000s
Print Speed	Yes
Connectivity	120dB
Direct thermal printing	Pan: 0 to 360°, tilt: 0 to 90°, rotation: 0 to 360°
CAMERA	
Resolution	2.8/4/6 mm, fixed lens
Maximum Print Width	2.8 mm, horizontal FOV: 112°, vertical FOV: 57°, diagonal FOV: 138° 4 mm, horizontal FOV: 89°, vertical FOV: 47°, diagonal FOV: 106° 6 mm, horizontal FOV: 54°, vertical FOV: 30°, diagonal FOV: 63°
Print Length	F1.0
Print Speed	M16
CAMERA	
Print Length	30 m
VIDEO	
Print Length	1920 x 1080
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)

Sub Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Video Compression	Main: H.265+/H.264+/H.265/H.264, Sub: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Stream Type	Main stream/Sub-stream/third stream
Simultaneous Live View	Up to 6 channels
Scalable Video Coding (SVC)	Yes
Region of Interest (ROI)	1 fixed region for main stream

NETWORK

API	ONVIF (PROFILE S, PROFILE G), ISAPI, SDK
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Security	Password protection, complicated password, HTTPS encryption, watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2
Network Storage	MicroSD/SDHC/SDXC card (256 GB), local storage and NAS (NFS,SMB/CIFS), ANR
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	IE8+, Chrome41.0-44, Firefox30.0-51, Safari8.0-11

IMAGE

Day/Night Switch	Day/Night/Auto/Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Settings	Saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser
S/N Ratio	>50dB

INTERFACE

RS-232	RS-232 serial port control
On-board Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
Hardware Reset	Yes
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port

SMART FEATURE - SET

Basic Event	Motion detection, video tampering alarm, exception (IP address conflict, illegal login)
Premier Protection	Intrusion detection, line crossing detection

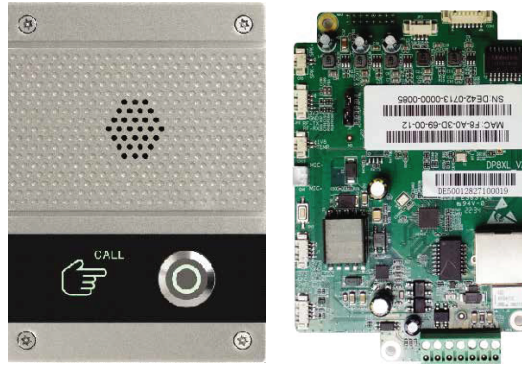| GENERAL	
General Function	One-key reset, anti-flicker, heartbeat, mirror, password protection, privacy masks, IP address conflict, flash log
Software Reset	Yes
Linkage Method	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger capture
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F)
Startup and Operating	-30 °C to 60 °C (-22 °F to 140 °F)
Power Supply	12 VDC ± 20%, PoE: 802.3af
Power Consumption & Current	12VDC, 0.4 A, max. 5 W; PoE:(802.3af, 36V to 57V), 0.2 A to 0.1 A, max. 6.5 W
Power Interface	Φ5.5 mm coaxial power plug
Material	Metal
Camera Dimension	85 × 85 × 218 mm (3.3" × 3.3" × 8.6")
Package Dimension	315 × 137 × 141 mm (12.4" × 5.4" × 5.6")
APPROVAL	
Protection	Ingress protection: IP67 (IEC 60529-2013)
EMC	CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252 (Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)

City

07

IP Intercom & Other

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The TimeTec DP91-S is an One-button SIP audio intercom with advanced audio system that can be mounted on TimeTec TPK cashless parking kiosk and furnished with the echo cancellation function. Combined with the TimeTec DP70 indoor touch screen control pad or TimeTec C63G series IP Phone, you can remote communication with caller any time. The TimeTec DP91-S offers keyless control and convenience for the users opening the door or barrier gate without a key. The door can be opened remotely via DTMF if there is an electronic door lock. TimeTec DP91-S also supports one touch button for emergency calling for parking industry. Its main board, DP8XL uses a quad core ARM Cortex-A35 CPU designed for intelligent voice interaction, audio input/output processing, and other digital multimedia applications.

RICH VISUAL EXPERIENCE

The C63G/C63GP is an entry-level IP phone, and the C63G/C63GP features a 2.4" high-resolution color TFT display with backlight, which takes visual effects to a new level. The freely programmable multi-color function keys provide users with a high degree of usability. Each function key can be configured for various one-touch phone functions such as speed dial, busy lamp field, etc. Good Compatibility

Based on RFC3261, the C63G/C63GP has been tested to ensure good compatibility with leading IP telephony system and equipments. The C63G/C63GP not only supports Dinstar UC/IPPBX products, also supports many third-party IPPBXs such as 3CX, Asterisk, NEC, Grandstream and so on.

HIGH QUALITY AUDIO

The full duplex speaker and microphone system and the Digital Signal Processor (DSP) ensure that the C63G/C63GP delivers high audio quality. Whether you use the hands-free speakerphone or the handset, you will always have good experience and crystal-clear call quality.
• HD Voice
• Up to 6 SIP Accounts
• 2.8" 320 x 240 pixel TFT LCD with Backlight
• Dual-port Gigabit Ethernet
• Power over Ethernet
• Support EHS wireless headset(Plantronics, Jabra, Sennheiser)
• Stand with 2 adjustable angles
• Full Compatible with 3CX,Asterisk, Broadsoft, Freeswitch Platform etc.

APPLICATIONS :
- C class Surge Protective Device for AC Power System.
- Sensitive electronic equipment
- Telecom centers
- Automatic control centers
- Intelligent buildings
- Industrial enterprises
- Medical institutes

FEATURES :
- DIN rail mounting for easy installation
- Plug connectors for quick and easy connection or rewiring
- 40kA maximum surge current
- Thermal disconnect device
- Status indicators visually verify protection level

Technical Specifications

CAMERA	
Nominal working voltage Un	50/60Hz 240V
Max. continuous operating voltage Uc	320VAC
Nominal discharge current (8/20µs) In	20kA
Response time tA	25ns
Protection model	L/N-PE
CAMERA	
Dimension	90 (H)×36 (W)×65(L)mm
Weight per unit	287g
Mounting	35mm DIN rail
Connecting diameter	≥10mm2
IP code	IP20

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HARDWARE CATALOGUE