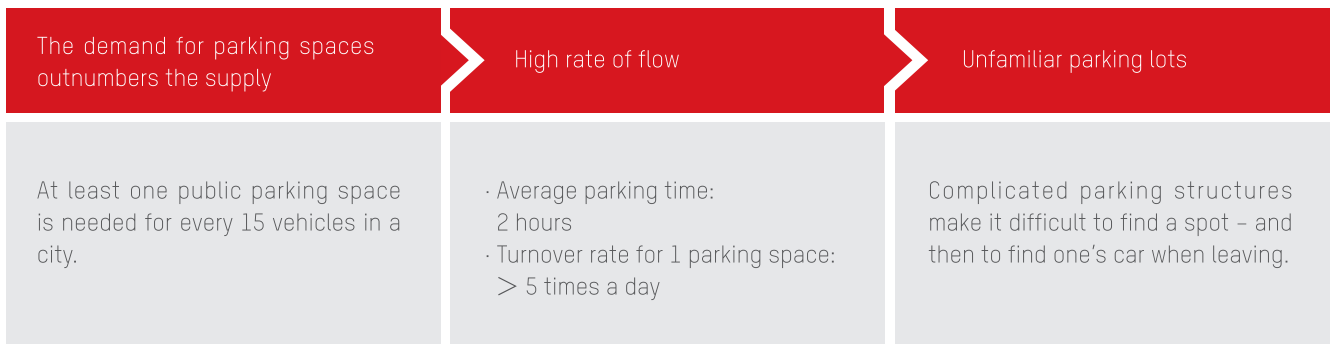




NO MORE PARKING PROBLEMS

**ENTRANCE & EXIT CONTROL
AND PARKING MANAGEMENT SYSTEM**

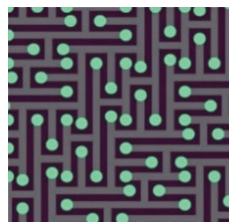
WHEN IT COMES TO PARKING, WHAT CAUSES ALL THE FRUSTRATION?



Vehicles enter and exit over 2,000 times/day in a commercial parking lot with 500 bays, leading to:



Congestion



Getting lost



Long Queues



No place to park

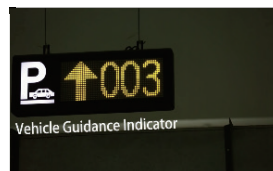
A COMMON PARKING LOT SCENARIO



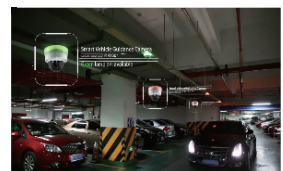
Enter the lot or structure



Check the guidance board



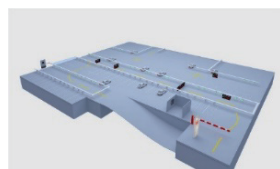
Check the guidance screen



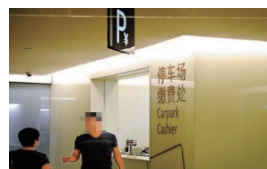
Check for available spots



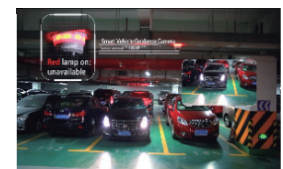
Exit



Locate the car



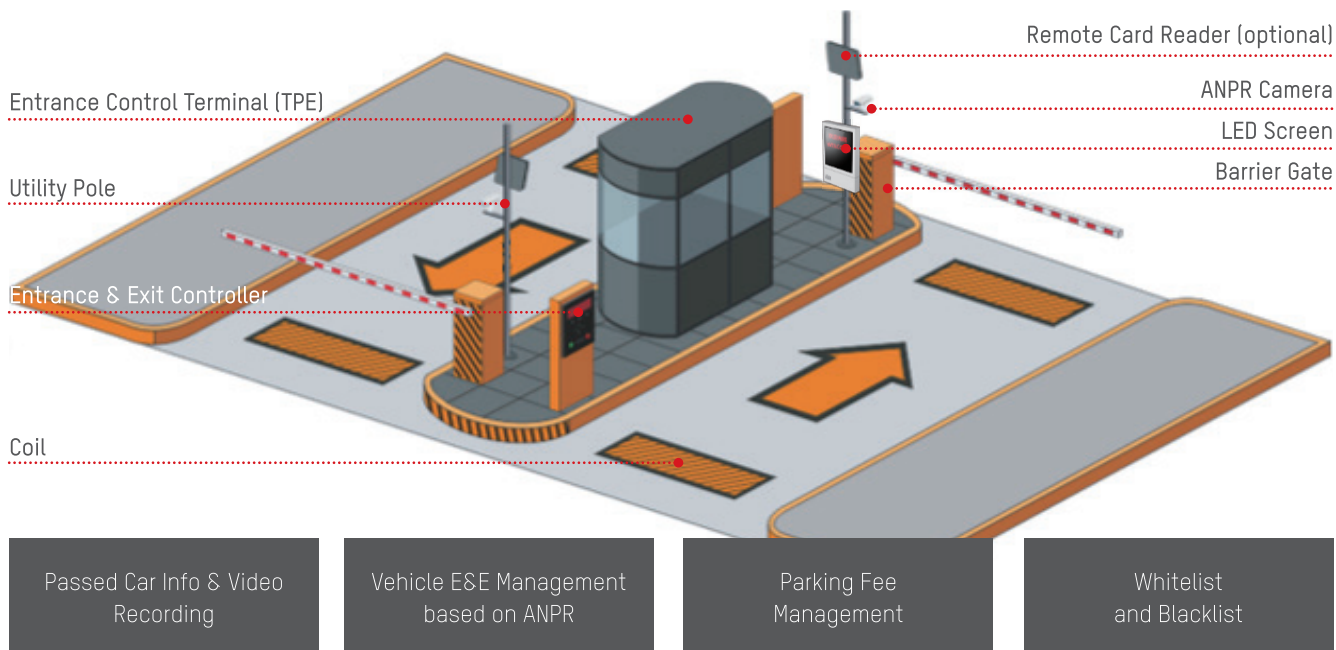
Pay the parking fee



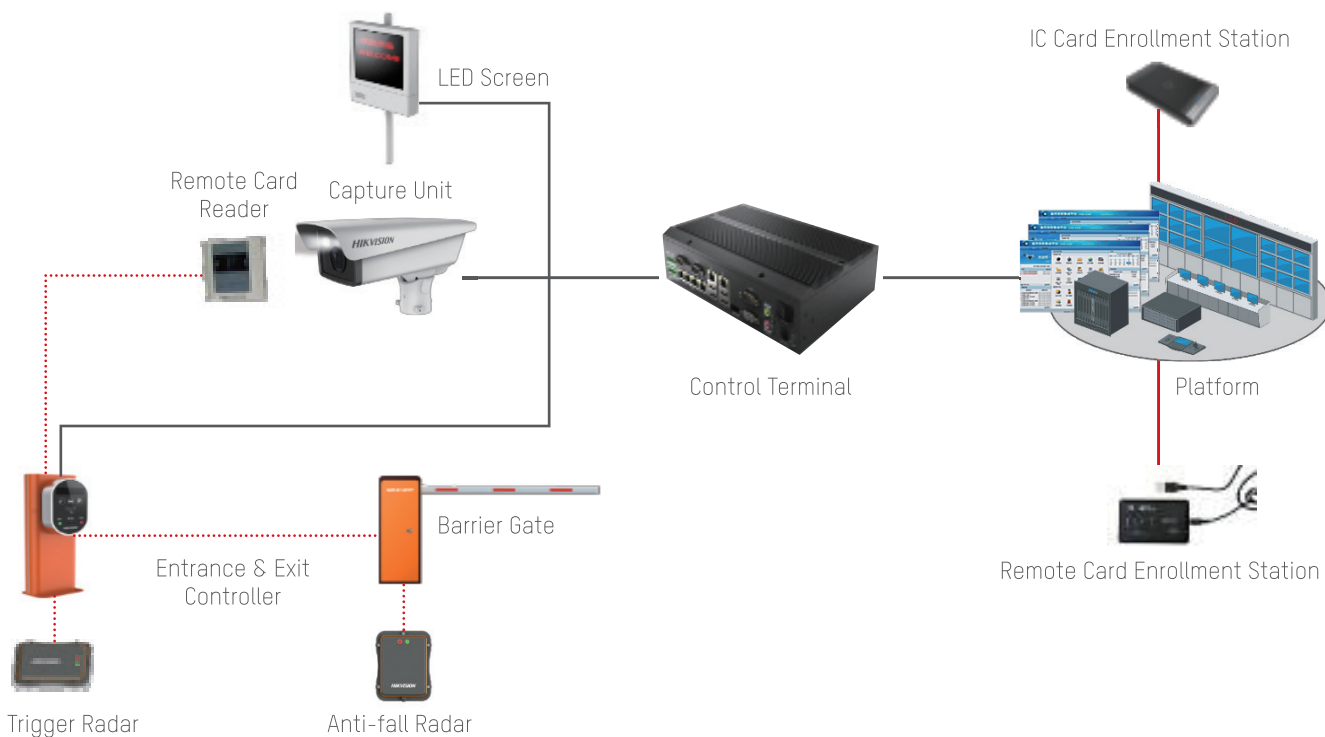
Park the car

ENTRANCE & EXIT CONTROL SYSTEM

Hikvision's advanced parking system expertly manages the entrance & exit of vehicles, vehicle information capturing, video recording, parking fees, and much more.



SYSTEM ARCHITECTURE




PRODUCT SHOWCASE

▼ Entrance Video Unit

Model	DS-TCG227-A	DS-TCG227-AIR
Image	 DeepinView	 DeepinView
Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. Illumination	0.002 Lux	0.002 Lux
Shutter Speed	1/30 s to 1/100,000 s	1/30 s to 1/100,000 s
Lens	3.1 mm to 9 mm	3.1 mm to 9 mm
Video Compression	H.265	H.265
Video Bit Rate	32 Kbps to 16 Mbps	32 Kbps to 16 Mbps
Max. Resolution	1920 × 1200	1920 × 1200
Frame Rate	25 fps	25 fps
Image Setting	saturation, brightness, contrast, white balance, gain and 3D DNR are adjustable by software	saturation, brightness, contrast, white balance, gain and 3D DNR are adjustable by software
Storage	TF card	TF card
Protocols	TCP/IP, HTTP, DHCP, DNS, RTP, RTSP, NTP, FTP Upload Pictures	TCP/IP, HTTP, DHCP, DNS, RTP, RTSP, NTP, FTP Upload Pictures
Security	User Authentication, Heartbeat, NTP	User Authentication, Heartbeat, NTP
Picture Format	JPEG with configurable quality	JPEG with configurable quality
Communication	1 RJ45 10M/100M/1000M Ethernet port	1 RJ45 10M/100M/1000M Ethernet port
Audio	1-ch audio output	1-ch audio output
Memory Card Slot	1 TF card slot, up to 64 GB	1 TF card slot, up to 64 GB
Operating Conditions	Linux	Linux
Power Supply	PoE, 12 VDC / 220 VAC	PoE, 12 VDC / 220 VAC
IP	IP67	IP67
Power Consumption	Up to 22 W	Up to 22 W

▼ Entrance Control Terminal

Model	DS-TVL224-4-5Y
Image	
Working Voltage	220 VAC ±1%, 50 Hz
LED Brightness	1200 cd
LED Angel	110°
Frame Material	Iron Frame Spraying Plastic (Dark armored glass for display part)
Installation Method	Hoop on the back
Speaker Specification	4Q10W
Protection Grade	IP65
Dot Pitch	P4.75
Fundamental Color	1 Red 1 Green
Downward Communication Methods	RJ45/RS485
Display Method	Instant, Left Shift, Up Forward, etc.
485 Communication Rate	RS485: 57600 bps
Communication Distance	RS485: 1200 m, RJ45: 120 m
Power Consumption	Max 50 W, Average 30 W
Display Size	304 x 304 mm
Dimension	364 x 484 x 60 mm

Model	DS-TPE100	DS-TPE104
Image	 DeepinMind	 DeepinMind
Interfaces	4-ch 10/100Mbps Ethernet interfaces, 2-ch 1000Mbps Ethernet interface, Interfaces, 4-ch USB2.0 interfaces, 2-ch I/O input, 4-ch relays outputs, 1-ch VGA output interfaces, 1-ch reserved SATA interfaces, 1-ch audio	4-ch 10/100 Mbps Ethernet interfaces, 2-ch 1000 Mbps Ethernet interfaces, 4-ch USB 2.0 interfaces, 2-ch I/O input, 4-ch relays output, 1-ch VGA output interface, 1-ch reserved SATA interface, 1-ch audio input/output, 1-ch HDMI output
Operation System	Windows 10	Windows 10
Connection	Number of Cameras : Maximum 4	Number of cameras: Maximum 4
Memory	4GB	4 GB
Storage	2 T	2 TB
Working Temperature	-10° to 70° C	-10° to 70° C

PARKING MANAGEMENT SYSTEM



Parking Guidance

- Detects available parking spaces automatically
- Indicates available spaces with arrows and colors



Parking Management

- Improves parking lot management efficiency



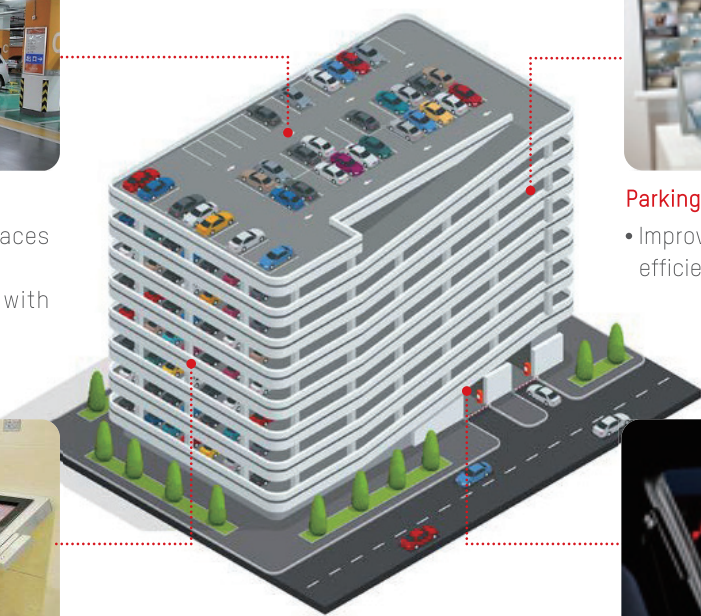
'Find My Car' Application

- 'Find My Car' Kiosk indicates shortest route to vehicle parking space



Video Surveillance

- Provides images and footages for auto-related security events
- Robust parking log includes vehicle data, alarm info, etc.



SYSTEM ARCHITECTURE



Parking Camera



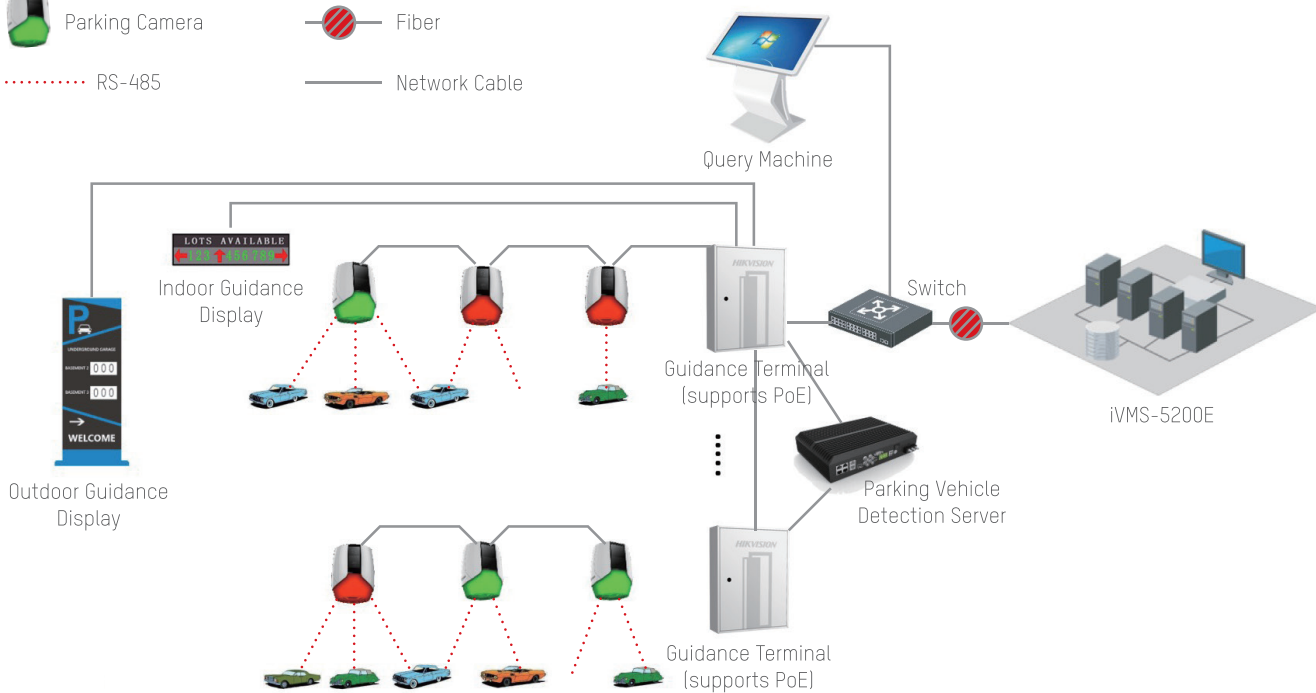
Fiber



RS-485






Network Cable





PRODUCT SHOWCASE


▼ Parking Camera

Model	DS-TCP145-K	DS-TCP345-K	DS-TCP345D
Image			
LED indicator	In integrated mode, red, green, yellow, blue, cyan, white and magenta colors can be indicated; In separation mode, up to 3 external indicators which can indicate red, green, yellow, blue, cyan, white and magenta colors can be connected; Support indicator flickering.		
Shutter	1/3 to 1/100,000 second	1/3 to 1/100,000 second	1/3 to 1/100,000 second
Lens	6 mm (1.3 MP)/4 mm (1.3 MP)	4 mm (3 MP)/2.8 mm (3 MP)	2.8 mm (3 MP)
Angel adjustment	Vertical: 0° to 30°	Vertical: 0° to 30°	Vertical: 0° to 30°
Video compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Output bit rate	32 Kbps to 16 Mbps	32 Kbps to 16 Mbps	32 Kbps to 16 Mbps
Max. resolution	1280 × 720	2304 × 1296	2304 × 1296 X2
Frame rate	Main stream: 25 fps (720p); Substream: 25 fps (CIF)	Main stream: 20 fps (1296p); Substream: 25 fps (CIF)	Main stream: 20 fps (1296p); Substream: 25 fps (CIF)
Image settings	Brightness, contrast, saturation, etc. can be adjusted via client or IE browser.	Brightness, contrast, saturation, etc. can be adjusted via client or IE browser.	Brightness, contrast, saturation, etc. can be adjusted via client or IE browser.
Backlight Compensation	Supported; Areas can be selected.	Supported; Areas can be selected.	Supported; Areas can be selected.
Storage	NAS (iSCSI optional)	NAS (iSCSI optional)	NAS (iSCSI optional)
Protocol	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS (SIP, SRTP and IPv6 optional)	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS (SIP, SRTP and IPv6 optional)	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS (SIP, SRTP and IPv6 optional)
General functions	Flicker filter, dual-stream, heartbeat, mirror, password protection, privacy mask and watermark	Flicker filter, dual-stream, heartbeat, mirror, password protection, privacy mask and watermark	Flicker filter, dual-stream, heartbeat, mirror, password protection, privacy mask and watermark
Communication interface	2, RJ45 10M/100M self-adaptive Ethernet interface; 1, power interface; 3, external indicator interface (for -K model)	2, RJ45 10M/100M self-adaptive Ethernet interface; 1, power interface; 3, external indicator interface (for -K model)	2, RJ45 10M/100M self-adaptive Ethernet interface; 1, power interface;
iBeacon	Standard iBeacon protocol (for -B model)	Standard iBeacon protocol (for -B model)	Standard iBeacon protocol (for -B model)
Working temperature	-20 °C to +50 °C (-4 °F to 122 °F)	-20 °C to +50 °C (-4 °F to 122 °F)	-20 °C to +50 °C (-4 °F to 122 °F)
Working humidity	< 95% (no condensation)	< 95% (no condensation)	< 95% (no condensation)
Power supply	Hikvision PoE, or 12 to 24 VDC wide-range voltage	Hikvision PoE, or 12 to 24 VDC wide-range voltage	Hikvision PoE, or 12 to 24 VDC wide-range voltage
Consumption	6 W MAX (single-lens, 3 MP)/5 W MAX (single-lens, 1.3 MP)	6 W MAX (single-lens)	10 W MAX (dual-lens)
Dimensions	158 × 113 × 122 mm (6.2 × 4.4 × 4.8 inch)	158 × 113 × 122 mm (6.2 × 4.4 × 4.8 inch)	158 × 113 × 122 mm (6.2 × 4.4 × 4.8 inch)
Weight	500 g (1.1 lb)	500 g (1.1 lb)	500 g (1.1 lb)



▼ LED Display

Model	DS-TVL121-3-6D	DS-TVL121-6-6D	DS-TVL121-9-6D
Image			
Application	Indoor Parking Area (screen)	Indoor Parking Area (screen)	Indoor Parking Area (screen)
Power Supply	AC 220V	AC 220V	AC 220V
Power Consumption	Max. 70W,Average 30W	Max.105W, Average 45W	Max.140W, Average 60W
Display Mode	Shift left, Shift up, Upward expanding, Downward expanding	Shift left, Shift up, Upward expanding, Downward expanding	Shift left, Shift up, Upward expanding, Downward expanding
Scanning Frequency	400Hz	400Hz	400Hz
Scanning Mode	1/16 A Model Scanning	1/16 A Model Scanning	1/16 A Model Scanning
Size(Border included)	584 × 312 × 65	1132 × 312 × 65	1680 × 312 × 65
Display Screen Border	Black Aluminum Alloy Border	Black Aluminum Alloy Border	Black Aluminum Alloy Border
Display Color	Red-Green	Red-Green	Red-Green
Communication Mode	RS485/RJ45	RS485/RJ45	RS485/RJ45
Number Display	Displays 3 digits and 1 arrow	Displays 6 digits and 2 arrows	Displays 9 digits and 3 arrows

Model	DS-TVL121-3-6	DS-TVL221-3-6
Image		
Scope of application	Indoor parking lot (module)	Indoor parking lot (module)
Working voltage	220 VAC	220 VAC
Power consumption	50W in maximum, 25W in average	50W in maximum, 25W in average
Display mode	Real-time display	Real-time display
Dimension	600 x 300 x 65 mm	748 x 254 x 65 mm
LED screen frame	Black aluminium alloy frame	Black aluminium alloy frame
Character display	Supports numbers and arrows, variable	Supports numbers and arrows, variable
Color display	Red arrows and green number	Red arrows and green number
Communication mode	RS485/RJ45	RS485/RJ45
Number display	Displays 3 digits and 1 arrow	Displays 4 digits and 1 arrow
Working environment	Temp: -20 °C to +50 °C Humidity: <95%	Temp: -20 °C to +50 °C Humidity: <95%

Model	DS-TVB200
Image	
Power Supply	220 VAC
Protocol	RS485, RS232, RJ45
Other	Customizable color, words, and LED quantity

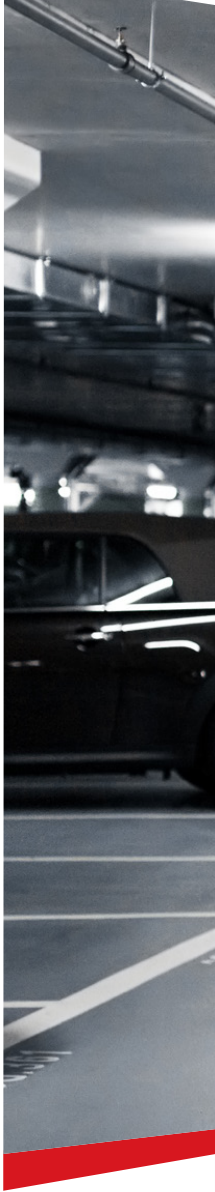
▼ Guidance Terminal

Model	DS-TPM400-P	Model	DS-TPS100
Image		Image	 NEW
CPU	High Performance ARM A17 Digital Media Processor	Operating System	Linux
Operating System	Embedded Linux Operating System	Operating Interface	WEB
Operation Interface	WEB	HDD Storage	1 2.5" 1T SATA HDD
Network Video Input	access of 16 dual cameras 32 parking cameras	Button	Power on/off, Reset
Audio Input	1-ch Audio Input	Indicator	HDD indicator, Alarm indicator, Power indicator, Running status indicator
Audio Output	1-ch Audio Output	Network Interface	4 100M Ethernet interfaces, 2 10/100/1000M self-adaptive Ethernet interfaces, one of the gigabit interfaces supports photoelectric conversion (requires optical fiber module)
Alarm Input	3-ch Alarm Input	Analog Video Input	4-ch HDTV video inputs
Alarm Output	3-ch Alarm Output	Audio Input	1 channel
RS485 Interface	2 RS485 Interfaces	Audio Output	1 channel
USB Interface	1 USB2.0 Interfaces, 1 USB3.0 Interface	Alarm Input	1 channel
HDMI Interface	1 HDMI Interface	Alarm Output	1 channel
Network Interface	16 100M Internal Ethernet Interfaces, including 8 HIKVISION PoE Ethernet Interfaces; 4 1000M External Ethernet Interfaces	RS-232 Interface	2
Optical Interface	1 Optical Interface	RS-485 Interface	2
Data Storage	Parking camera capture picture and video storage, support up to 6 HDD	USB Interface	2 × USB 2.0
Data Upload	Support data upload and video stream transfer	HDMI Interface	1
Power Supply	220 VAC, standard	Data Storage	Support picture storage
Power	< 500 W	Upload	Support smart analysis results upload
Mechanical Characteristics	Dimension: 410mm (Width) × 130mm (Depth) × 540mm (Height)	Network Settings	Support different network segment configuration between front-end and back-end device
Working Environment	Temp: -10 °C to +50 °C Humidity: 10% to 90%	Power Supply	12 VDC/5 A, 50 W
		Dimensions	300 × 227.5 × 74.1 mm (11.8 × 9.0 × 2.9 inch)
		Operating Temperature	-20 °C to +55 °C (-4 °F to +131 °F)
		Operating Humidity	10% to 90%
		Weight	Approx. 1.55 kg (3.42 lb)



NO MORE PARKING PROBLEMS ENTRANCE & EXIT CONTROL AND PARKING MANAGEMENT SYSTEM

Distributed by



HIKVISION®

Headquarters

No.555 Qianmo Road, Binjiang District,
Hangzhou 310051, China
T +86-571-8807-5998
overseasbusiness@hikvision.com

Hikvision USA
T +1-909-895-0400
sales.usa@hikvision.com

Hikvision Australia
T +61-2-8599-4233
salesau@hikvision.com

Hikvision India
T +91-22-28469900
sales@pramahikvision.com

Hikvision Canada
T +1-866-200-6690
sales.canada@hikvision.com

Hikvision Thailand
T +662-275-9949
sales.thailand@hikvision.com

Hikvision Europe
T +31-23-5542770
sales.eu@hikvision.com

Hikvision Italy
T +39-0438-6902
info.it@hikvision.com

Hikvision Brazil
T +55 11 3318-0050
Latam.support@hikvision.com

Hikvision Turkey
T +90 (216)521 7070- 7074
sales.tr@hikvision.com

Hikvision Malaysia
T +6-032-7224000
sales.my@hikvision.com

Hikvision UK & Ireland
T +01628-902140
sales.uk@hikvision.com

Hikvision South Africa
Tel: +27 (10) 0351172
sale.africa@hikvision.com

Hikvision France
T +33(0)1-85-330-450
info.fr@hikvision.com

Hikvision Kazakhstan
T +7-727-9730667
nikia.panfilov@hikvision.ru

Hikvision Vietnam
T +84-974270888
sales.vt@hikvision.com

Hikvision UAE
T +971-4-4432090
salesme@hikvision.com

Hikvision Singapore
T +65-6684-4718
sg@hikvision.com

Hikvision Spain
T +34-91-737-16-55
info.es@hikvision.com

Hikvision Tashkent
T +99-87-1238-9438
uzb@hikvision.ru

Hikvision Hong Kong
T +852-2151-1761
info.hk@hikvision.com

Hikvision Russia
T +7-495-669-67-99
saleru@hikvision.com

Hikvision Korea
T +82-(0)31-731-8817
sales.korea@hikvision.com

Hikvision Poland
T +48-22-460-01-50
info.pl@hikvision.com

Hikvision Indonesia
T +62-21-2933759
Sales.Indonesia@hikvision.com

Hikvision Colombia
sales.colombia@hikvision.com

www.hikvision.com

Follow us on social media to get the latest product and solution information

