DS-TCP140-B
1.3 MP Parking Guidance Camera

- Built-in high-performance algorithm, supporting ANPR (accuracy ≥ 99.5%), detection of the parking space status (accuracy ≥ 99.99%), and smart analysis of crossing over line, motion detection, etc.
- HD 1.3 MP camera, applied in environment with low illumination such as underground garage.
- 3D noise reduction to guarantee clean and exquisite image.
- Smart detection of the parking space status, and smart analysis of crossing over line, motion detection, etc.
- Energy-saving LED with high brightness and low consumption.
- Speed recognition in second accuracy to indicate the parking space status in real time and provide accurate available parking space number
- Network wiring with easy connection, installation, and maintenance.
- ROI encoding.
- Two RJ45 interfaces, supporting connecting cameras in series, and no power cord is needed.
- Built-in iBeacon module, supporting indoor positioning and navigation with the help of APP. iOS or Android SDK is provided.

▪ Specification

Camera	
Sensor Type	1/3" Progressive Scan CMOS
Max. Resolution	1280 × 1024
Min. Illumination	Color: 0.019 Lux @ (F2.0, AGC OFF)
	B/W: 0.011 Lux @ (F2.0, AGC OFF)
Day/Night Switch	Supported
Number of Detected Parking Space	Max 3
Shutter	1 to 1/100,000 s
Lens	
Lens Type	2.8 mm
	4 mm
Aperture	2.8 mm：F2.0
	4 mm：F2.0
Focal Length & FoV	2.8 mm, horizontal FoV: 113°, vertical FoV: 62°, diagonal FoV: 120°,
	4 mm, horizontal FoV: 88.6°, vertical FoV: 46.9°, diagonal FoV: 106.8°
Focus	Fixed
Image	
Image Settings	Brightness, contrast, saturation, white balance, and gain can be adjusted via client or IE browser.
Backlight Compensation	Supported. Areas can be selected.
WDR	140db
Defog	supported
Main Stream	50 Hz: 25 fps (1280 × 1024, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1280 × 1024, 1280 × 720, 704 × 576, 640 × 480)
Image Settings	Saturation, brightness, contrast, white balance, and gain are adjustable by client,software or web browser.
Day/Night Switch	Auto/Scheduled/Manual
WDR Switch	On, Time, Brightness
Frame Rate	25fps
Video	
ROI	8 regions respectively for main stream and sub-stream, 6 levels for each region.
Video Compression	H.265/H264/MJPEG
H.264 Type	Low profile
	Medium profile
	High Profile
Video Bit Rate	32 Kbps to 16 Mbps
Bit Rate Type	Constant, Variable
Scalable Video Coding (SVC)	MJPEG , H.265 and H.264 encoding
Capture Parameters	
Image Format	JPEG
Capture Resolution	2560 x 1440 (default)2688 × 1520, 1920 × 1080, 1280 × 720
Smart Recognition	vehicle entering/exiting parking space status, parking spacestatus detection,Intelligent Detection

Capture Picture Overlay	Lane No., Capture Time, Anti-counterfeiting Code, Capture No., Vehicle Entry/Exit Direction, etc
Network	
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR) together with high-end Hikvision memory card, memory card encryption and health detection are supported
Protocol	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNSDDNS,RT,RTSP,RTCP,NTP,SNMP ，OTAP
API	ONVIF(PROFILE S,PROFILE G), ISAPI, SDK
Client	HikCentral,SDKdemo,DS-TPM400
Web Browser	Plug-in required live view: IE10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+
Security	One-key restoration, password protection, watermark
Compression Standard	
Video Compression	H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
Network Function	
Smart Functions	Built-in AI deep-learning algorithm, supporting ANPR and parking space detection.
Protocol	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS (SIP, SRTP, and IPv6 optional)
Interface	
Indicator Interface	3*LED lamp interface
Network Interface	2 RJ45 10 M/100 M/1000 M self-adaptive Ethernet interface
General	
Power Supply	Hikvision PoE, or 12 to 24 VDC wide-range voltage
Working Temperature and Humidity	-20 °C to 70 °C (-4 °F to 158 °F) 5% to 95% @ 40°C (non-condensing)
Working Environment	90% or less (non-condensing)
Storage Temperature and Humidity	Temperature: -20 °C to 70 °C (- 4°F to 158 °F) Humidity: 95% (non-condensing)
Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
Consumption	Max. 6.5 W
Weight	0.525 kg (1.2 lb.)
Dimensions	170 × 121 × 105 mm (6.7 × 4.8 × 4.2 inch)
Weight (with Package)	1 kg (2.2 lb.)
Dimensions (with Package)	275 * 205 * 175 mm(10.8 * 8.1 * 6.9 inch)

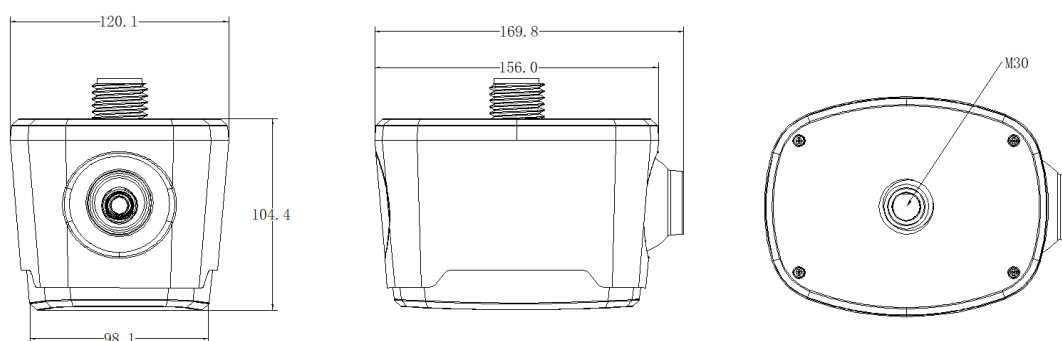| Smart Function	
ANPR Supported Country/Region	Middle East: The United Arab Emirates (Abu Dhabi, Ajman, Dubai, Fujairah, Ras Al Khaimah, Sharjah and Umm Al Quwain), Qatar, Iraq, Egypt, Jordan, Kuwait, Saudi Arabia, Pakistan, Oman, Lebanon, Bahrain Africa: Nigeria, Kenya, Ivory Coast , South Africa, Tanzania, Mauritius, Morocco, Tunisia, Sierra Leone, Zambia, Ghana, Zimbabwe, Uganda, Angola, Ethiopia, Senegal, Algeria Asia-Pacific: Australia, New Zealand, Indonesia, Malaysia, Singapore, South Korea, Thailand, Vietnam, the Philippines, HongKongChina, Macao, TaiwanChina, Myanmar, India, Mongolia, Cambodia, Laos, Bangladesh, Nepal, Sri Lanka America: Canada, Argentina, Chile, Paraguay, Uruguay, El Salvador, Bolivia, Colombia, Brazil, Ecuador, Peru, Mexico, Panama, Costa Rica, Trinidad and Tobago, the Dominican Republic, Guatemala Europe: Turkey, Croatia, Slovakia, Czech Republic, Bulgaria, the Republic of North Macedonia, Hungary, Greece, Poland, France, Netherlands, Switzerland, Spain, the UK, Ireland, Germany, Italy, Austria, Israel, Palestinian, Belgium, Luxembourg, Albania, Serbia, Romania, Montenegro, Denmark, Finland, Sweden, Slovenia, Portugal, Malta, Cyprus, Iceland, Liechtenstein, Bosnia and Herzegovina Speaking Regions: Azerbaijan, Belarus, Kazakhstan, Lithuania, Georgia, Estonia, Latvia, Ukraine, Moldova, Uzbekistan, Kyrgyzstan, Armenia, Turkmenistan, Tajikistan

▪ Available Model

DS-TCP140-B(E)(2.8mm)
DS-TCP140-B(E)(4mm)

▪ Dimension

▪ **Accessory**

▪**Optional**

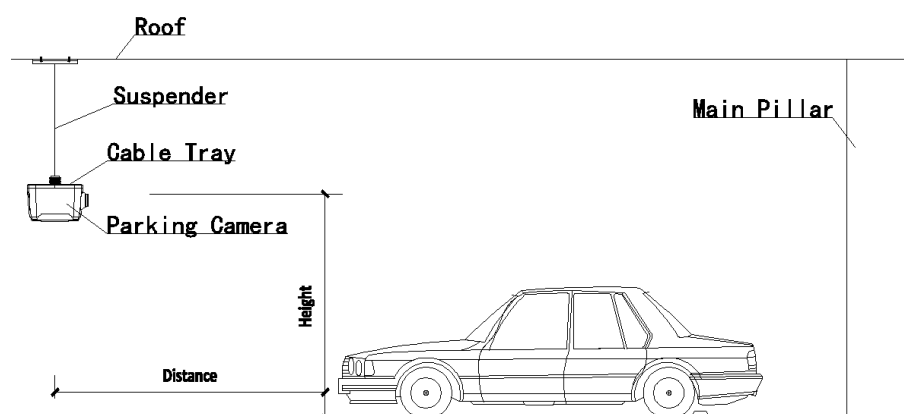| L800-R35 Parking camera extension bar	L300-R35 Parking camera extension bar	DS-2270ZYZ-WC Prevent camera from leaking water	Parking Guidance Camera Junction Box

▪ **Installation**

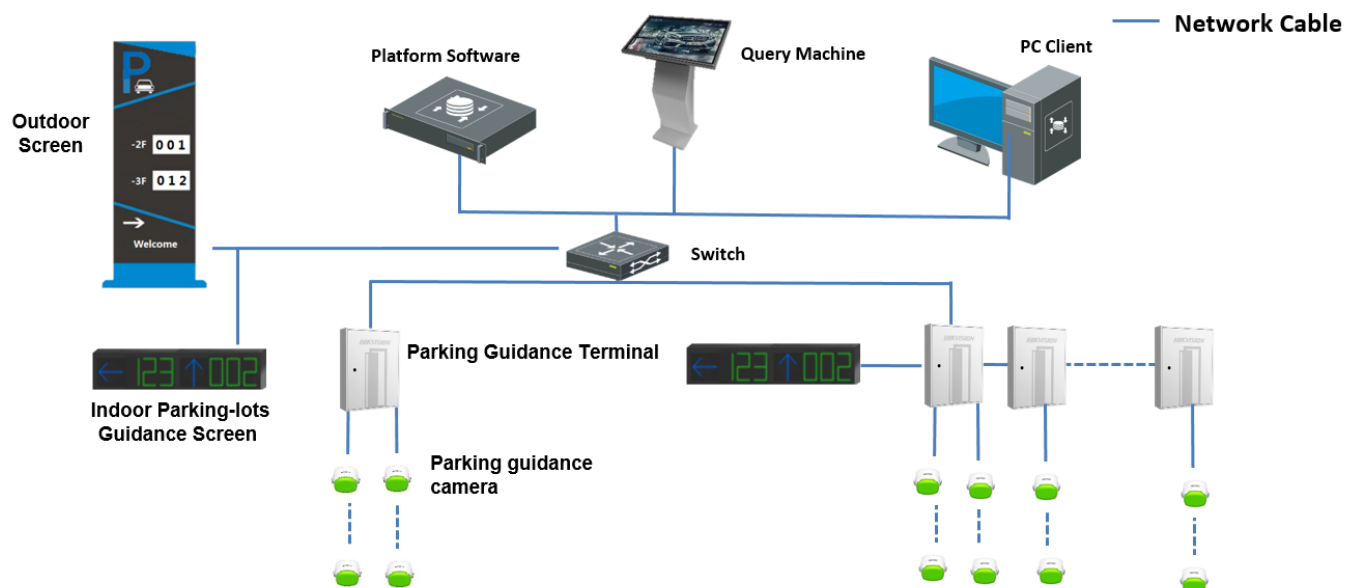| Camera Lens	Distance (m)	Height (m)	Cover Parking Space/Len
2.8mm	2.2-4.0m	2.3m-2.8m	1-2 spaces
4mm	4.0-6.5m	2.3m-2.8m	1-2 spaces

Note: The distance should be greater than the height

Installation Recommendation
Single Len:

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▪Typical Application

Network Cable

Outdoor Screen

Platform Software

Query Machine

PC Client

Switch

Indoor Parking-lots Guidance Screen

Parking Guidance Terminal

Parking guidance camera

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