

**DS-TCP440-DB(ES)**  
**Dual-Sensor Parking Camera with audio function**



- Built-in high-performance algorithm, supporting ANPR (accuracy  $\geq 99.5\%$ ), detection of the parking space status (accuracy  $\geq 99.99\%$ ), and smart analysis of crossing over line, motion detection, etc.
- HD 4.0 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.
- Support audio output function.
- Support setting the broadcast volume and frequency, setting the volume and broadcast number according to the time period, driving away the broadcast of special parking spaces and the detection of the line pressing.

## ▪ Specification

Camera	
Min. Illumination	Color: 0.019 Lux @ (F1.9, AGC OFF) B/W: 0.011 Lux @ (F1.9, AGC OFF)
Sensor Type	1/3" Progressive Scan CMOS
Max. Resolution	2560 × 1440
Day/Night Switch	Supported
Shutter	1 to 1/100,000 s
Number of Detected Parking Space	Max 3
Lens	
Lens Type	2.8mm
Aperture	2.8mm: F2.0
Focal Length & FoV	2.8 mm, horizontal FoV: 103.7±5°, vertical FoV: 56.1±5°, diagonal FoV: 121.8±5°
Focus	Fixed
Image	
WDR	140db
Defog	supported
Main Stream	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1920 × 1080, 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 × 1440 (default)2688 × 1520, 1920 × 1080, 1280 × 720
Smart Recognition	vehicle entering/exiting parking space status, parking space status detection, Intelligent Detection
Capture Picture Overlay	Lane No., Capture Time, Anti-counterfeiting Code, Capture No., Vehicle Entry/Exit Direction, etc

<b>Network</b>	
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
<b>Interface</b>	
Indicator Interface	3*LED lamp interface
Network Interface	2 RJ45 10 M/100 M/1000 M self-adaptive Ethernet interface
<b>General</b>	
Resolution	4 MP
Working Temperature & Humidity	-20 °C to 50 °C (-4 °F to 122 °F)
Consumption	Max. 6.5 W
Weight	0.525 kg (1.1 lb.)
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)
Power Supply	Hikvision PoE, or 12 to 24 VDC wide-range voltage
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)
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

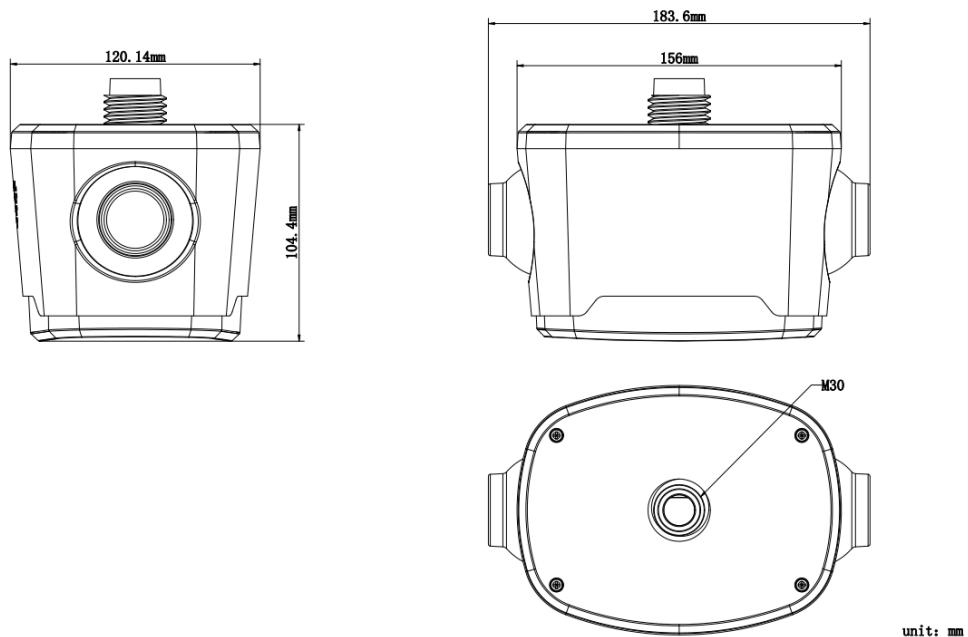
**Smart Function**

	<p><b>Middle East:</b> 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</p> <p><b>Africa:</b> Nigeria, Kenya, Ivory Coast, South Africa, Tanzania, Mauritius, Morocco, Tunisia, Sierra Leone, Zambia, Ghana, Zimbabwe, Uganda, Angola, Ethiopia, Senegal, Algeria</p> <p><b>Asia-Pacific:</b> Australia, New Zealand, Indonesia, Malaysia, Singapore, South Korea, Thailand, Vietnam, the Philippines, HongKongChina, Macao, TaiwanChina, Myanmar, India, Mongolia, Cambodia, Laos, Bangladesh, Nepal, Sri Lanka</p> <p><b>America:</b> Canada, Argentina, Chile, Paraguay, Uruguay, El Salvador, Bolivia, Colombia, Brazil, Ecuador, Peru, Mexico, Panama, Costa Rica, Trinidad and Tobago, the Dominican Republic, Guatemala</p> <p><b>Europe:</b> 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</p> <p><b>Speaking Regions:</b> Azerbaijan, Belarus, Kazakhstan, Lithuania, Georgia, Estonia, Latvia, Ukraine, Moldova, Uzbekistan, Kyrgyzstan, Armenia, Turkmenistan, Tajikistan</p>
ANPR Supported Country/Region	

**▪ Available Model**

DS-TCP440-DB(ES)(2.8mm)

**▪ Dimension**



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