DS-TCP506
5MP Fisheye Parking Camera



Fisheye parking camera is mainly used in the underground parking lot. It adopts HD progressive scan CMOS and features in high quality imaging, low illumination, high frame rate, good color rendition, etc. It supports H.265 encoding to save storage space. Built-in deep-learning algorithm of parking space detection provides motion detection and other smart detection functions. It realizes precise indoor parking space detection.

- 5 MP HD camera with max. 2688 × 1944 resolution and 25 fps frame rate in the fisheye mode. It is applicable to the underground parking lot and other low illumination scenes. High quality imaging with 1/2.7" progressive scan CMOS. 0.04 lux low illumination with clearer imaging at night.
- Adopts ultra wide-angle lens for 360° monitoring.
- Supports multiple output modes, including the fisheye dual-channel calibration and 4-channel calibration.
- Supports H.265/H.264/MJPEG video encoding algorithm and multiple video quality configuration and profile settings.
- The models with (HIK-POE) support HIK-POE and hand in hand connection, other models support standard POE
- Built-in AI intelligent algorithm of parking space detection supports to detect the parking space in the fisheye calibration mode.
- Supports motion detection.

▪ Specification

Lens	
Lens Type	1.16 mm
Aperture	1.16 mm：F2.25
Focal Length & FoV	1.16 mm, horizontal FoV: 190°, vertical FoV: 190°, diagonal FoV: 190°
Focus	Fixed
Capture Parameters	
Image Format	JPEG
Capture Resolution	3840*2880 (default)3840*1440, 1920*1440, 1920*1080 ， 1920*1080
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
Image	
WDR	140db
Defog	supported
Main Stream	Dual-channel:50 Hz: 12.5 fps (2688 × 832), 60 Hz: 15 fps (2688 × 832); 4-channel:50 Hz: 12.5 fps (1344 × 832), 60 Hz: 15 fps (1344 × 832); 1-channel (with 2 windows): 50 Hz: 12.5 fps (2688 × 1664), 60 Hz: 15 fps (2688 × 1664); 1-channel (with 4 windows): 50 Hz: 12.5 fps (2688 × 1664), 60 Hz: 15 fps (2688 × 1664); Main Stream: 2688 × 1944, 1920 × 1080, 1280 × 1024, 640 × 480
Sub-Stream	1920 × 1080, 1280 × 720, 704 × 576, 352 × 288
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	15fps
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
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,HIK-POE
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
Interface	
Audio	1 × audio input and output port(s)
Alarm Output	2 × alarm output
RS-485	1 × RS485
Network Interface	2 RJ45 10 M/100 M/1000 M self-adaptive Ethernet interface
Camera	
Lens	1.16 mm
Day/Night Switch	Supported
Max. Resolution	2688*1944
Number of Detected Parking Space	Max 12
Sensor Type	1/2.7'' Progressive Scan CMOS
Min. Illumination	Color: 0.04 Lux @ (F2.2, AGC ON) B/W: 0.02 Lux @ (F2.2, AGC ON)
Shutter	1/75 to 1/58800 s
Smart Function	
Smart Detection	Up to 12 parking spaces status detection in dual-channel mode.
General	
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
Working Temperature and Humidity	-20 °C to 70 °C (-4 °F to 158 °F) 5% to 95% @ 40°C (non-condensing)
Power Supply	DS-TCP506:PoE, or 12 to 24 VDC wide-range voltage DS-TCP506-EP(模组)(海外中性),DS-TCP506-EP(海外标配),DS-TCP506-EP(海外中性):standard PoE, or 12 to 24 VDC wide-range voltage DS-TCP506-EP(HIK-POE)(海外中性),DS-TCP506-EP(HIK-POE)(海外标配):HIK PoE, or 12 to 24 VDC wide-range voltage DS-TCP506-E(模组)(海外中性):standrad PoE, or 12 to 24 VDC wide-range voltage
Working Consumption	Max 5 W
Dimensions	133 × 133 × 86 mm (5.2 × 5.2 × 3.4 inch)
Weight	0.15 kg (0.33 lb.)
Installation Mode	Ceiling mount
Weight (with Package)	0.5 kg (0.5 lb.)
Dimensions (with Package)	255× 175 × 130 mm (10 × 6.9 × 5.1 inch)

▪ Available Model

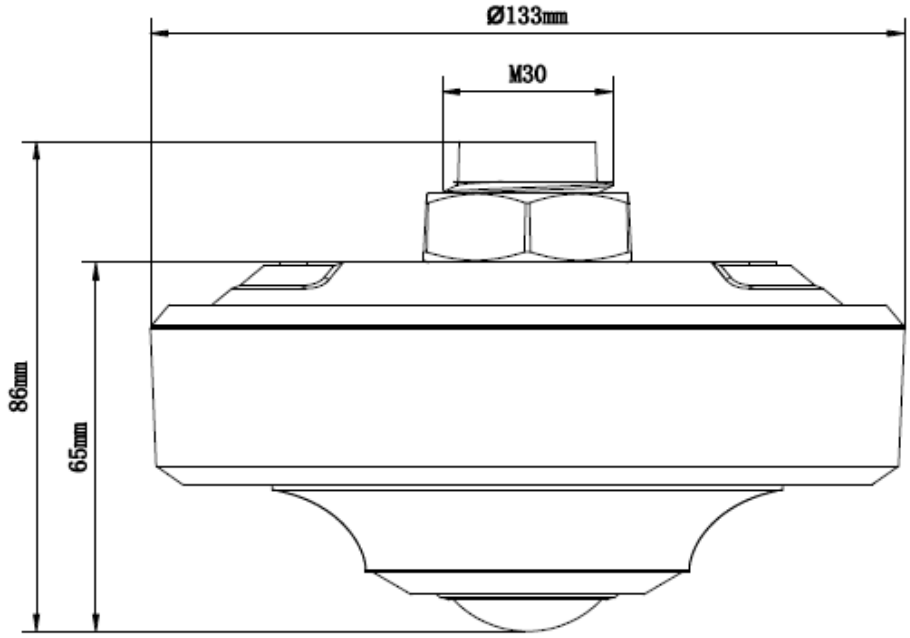
DS-TCP506-E(moudle)

DS-TCP506-EP(moudle)

DS-TCP506-EP

DS-TCP506-EP(HIK-POE)

▪ Dimension



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