

iDS-TCR204-E Parking Space Detection Camera

Introduction

iDS-TCR204-E is integrated with lens, camera, and supplement light. The device 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. It adopts advanced deep-learning algorithm to realize the detection and capture of indoor and outdoor parking spaces and parking space status. It is widely used to capture vehicles in outdoor parking lot, community, shopping mall, 4S automotive dealership, etc.



Key Feature

- **High definition:** 2 MP HD camera with max. 1920 × 1200 resolution and 25 fps frame rate.
- **Low illumination:** High quality imaging with 1/3" progressive scan CMOS. 0.011 lux low illumination with clearer imaging at night.
- **Lens:** 3.1 to 6 mm motor-driven vari-focal lens. Remote debugging is quick and easy.
- **Multiple interfaces:** Supports multiple control interfaces to connect peripheral alarm device, etc.
- **Smart Detection:** Supports up to 50 parking spaces status detection, parking space occupation detection, and weaving out of the lane detection.

Available Model

iDS-TCR204-E

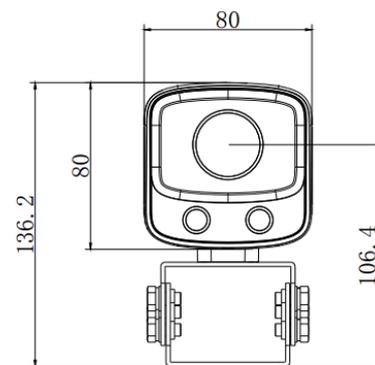
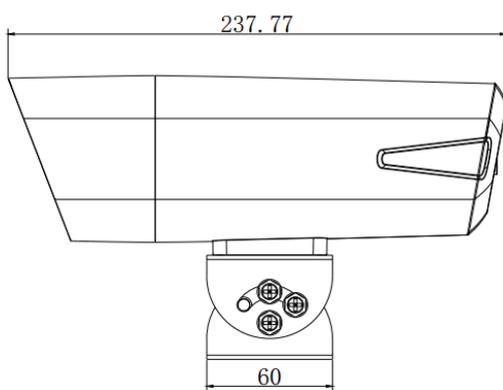


Specification

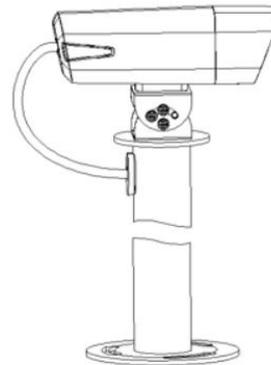
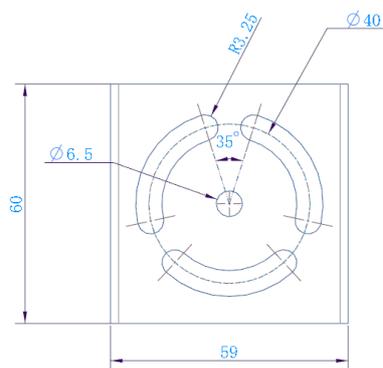
Model	iDS-TCR204-E
Camera	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	Color: 0.019 Lux @ (F1.9, AGC OFF) B/W: 0.011 Lux @ (F1.9, AGC OFF)
Shutter Speed	1/30 s to 1/100,000 s
Lens Type	3.1 to 6 mm motor-driven lens, varifocal lens
IR Cut Filter	No Supported
Compression Standard	
Video Compression	H.264/H.265/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
Image	
Image Format	JPEG
Max. Image Resolution	1920 × 1200
Frame Rate	25 fps @ (1920 × 1200)
Image Settings	Saturation, brightness, contrast, white balance, and 3D noise reduction can be adjusted via the web browser.
Network	
Protocol	TCP/IP, HTTP, DHCP, DNS, RTP, RTSP, NTP, FTP picture upload
Network Security	Heartbeat, password protection, NTP
Capture	
Picture Format	JPEG with configurable quality
Smart Recognition	Parking space status detection, parking space occupation detection, weaving out of the lane detection
Supplement Light Control	Control according to brightness or time
Interface	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet interface
Serial Port	1 RS-485 serial port, 1 RS-232 serial port
Built-in LED Light	2
Audio Output	1-ch audio output
Triggered Input	2-ch alarm inputs
Relay Output	1-ch relay output
General	
Working Temperature	-20 °C to 70 °C (-4 °F to 158 °F)
Working Humidity	90% or less (non-condensing)
Power Supply	10 to 14 VDC

Ingress Protection	IP67
Consumption	Max. 5.4 W
Weight	725 g (1.6 lb.)
Dimensions	237.77 mm × 80 mm × 80 mm

Dimension



Device with cardan joint



The bottom of the cardan joint and the installed device

Unit: mm

The following is the actual application scenario



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