DS-TMC407-E
All-in-One Entrance & Exit Manager

Introduction

DS-TMC407-E is integrated with camera, supplement light, LCD (LED is optional), pickup, speaker, etc. 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 video detection and capture. It provides various functions, including vehicle license plate detection, vehicle without plate detection, vehicle feature detection, anti-vehicle following, etc. It is widely used in community, shopping mall, school, hospital, airport, gas station, 4S automotive dealership, government, etc. to capture and recognize the entering and exiting of vehicles.
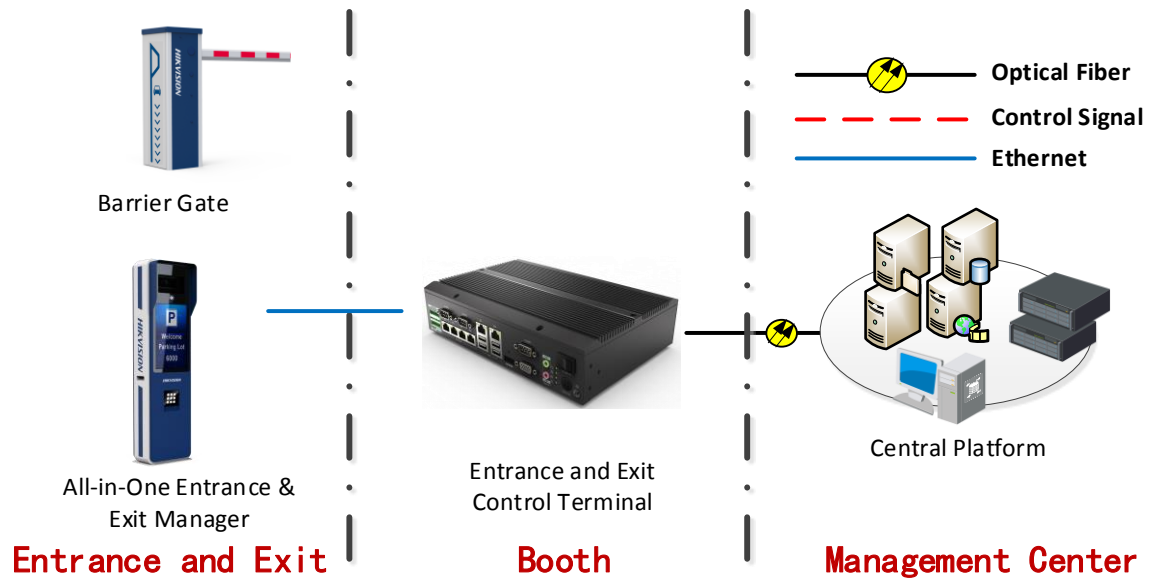
Key Feature

- **High definition**: 4 MP HD camera with max. 2688 × 1520 resolution and 25 fps frame rate. High quality imaging with 1/3" progressive scan CMOS. 0.022 lux low illumination with clearer imaging at night.
- **Highly integrated**: The device is integrated with camera, LCD, LED supplement light, lens, pickup, and speaker, which helps to reduce construction and wiring costs. The all-in-one structure brings simple wiring and convenient debugging.
- **LCD**: 21.5 inch LCD can show QR code for vehicles without license plates to scan to enter and exit, and it can also play image, video, and advertisement.
- **Two-way audio**: Supports pressing help button to realize real-time two-way audio with center and remote booth.

- **Supplement light**: Embedded with 9 bright LED lights, the device has smart supplement light technology, which supports supplement light control according to time and brightness.
- **Remote debugging**: 3.1 to 6 mm motor-driven varifocal lens, remote debugging is quick and easy.
- **Anti-vehicle following mode**: Supports anti-vehicle following mode via video and radar/loop. The boom pole can keep rising in vehicle queue scenario to solve the congestion.
- **Ingress protection**: The surface of the host adopts anti-UV and electrostatic spraying, and the level of dustproof and waterproof meets the requirement of IP45 for outdoor devices.
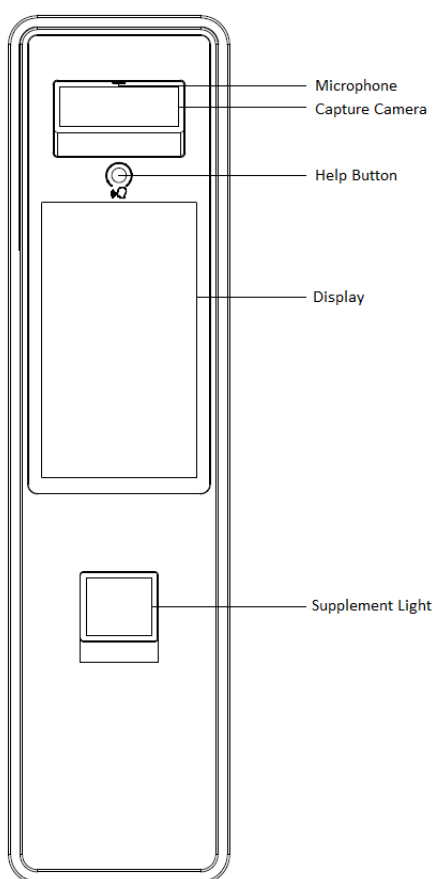
Typical Applicaiton

Barrier Gate

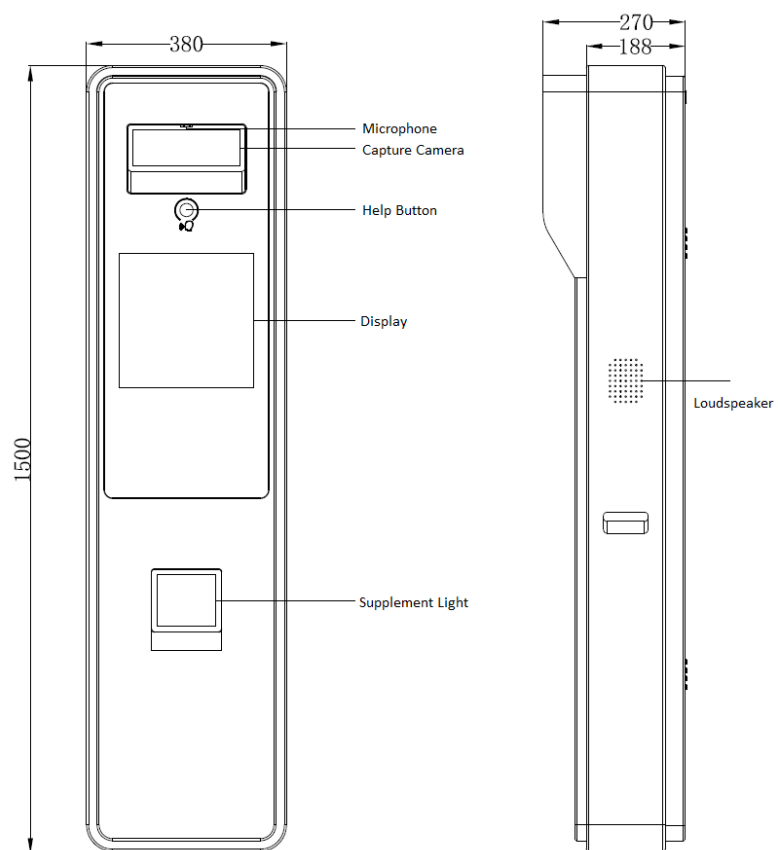All-in-One Entrance & Exit Manager

Entrance and Exit

Entrance and Exit Control Terminal

Booth

Central Platform

Management Center

- ── ⚡ ── **Optical Fiber**
- – – – – **Control Signal**
- ──── **Ethernet**

Available Model

DS-TMC407-E(LCD)

Specification

Model	DS-TMC407-E
Camera	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	Color: 0.022 Lux @ (F2.0, AGC ON) B/W: 0.011 Lux @ (F2.0, AGC ON)
Shutter Speed	1/30 s to 1/100,000 s
Lens Type	3.1 to 6 mm varifocal lens, motor-driven lens
IR Cut Filter	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	2688 × 1520
Frame Rate	25 fps @ (2688 × 1520)
Image Settings	Saturation, brightness, contrast, white balance, AGC, and 3D noise reduction can be adjusted via the web browser.
Network	
Storage	Built-in TF card
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	ANPR, vehicle type recognition, vehicle logo recognition, sub-brand recognition
Supplement Light	
Supplement Light Control	Control according to brightness or time
LED Light Bead Number	9
Color Temperature	3000 K
Camera Interface	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet interface
Serial Port	1 built-in RS-485 serial port, 1 built-in RS-232 serial port
Triggered Input	3-ch triggered/alarm inputs
Relay Output	2-ch relay outputs, supporting rising of barrier gate boom pole
LCD	
Dimension	21.5 inch

Resolution	1080p
Max. Brightness	1500 cd/m²
General	
Working Temperature	-20 °C to 70 °C (-4 °F to 158 °F)
Working Humidity	90% or less (non-condensing)
Power Supply	220 VAC
Lightening Protection	Supported
Weight	37 kg (81.6 lb)
Consumption	85 W (with LCD)

Dimension

Front view (380 × 1500)

- Microphone
- Capture Camera
- Help Button
- Display
- Supplement Light

Side view (270 / 188)

- Loudspeaker

Front view

- Microphone
- Capture Camera
- Help Button
- Display
- Supplement Light

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Distributed by

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