DHI-ITC215-PW6M-IRLZF-O

Access ANPR Camera

- Adopts high-performance CMOS image sensor and processor for in-depth extraction and analysis of vehicle information 24/7.
- Embraces deep learning algorithm for accurate recognition of vehicles without license plate, and vehicle model, vehicle logo, vehicle series, vehicle color, and more.
- Built-in LED illuminator for simplified installation.
- Motorized vari-focal lens, easy for installation and commissioning.
- Integrated design with low power consumption, and IP67 protection grade.

System Overview

The short range access ANPR camera adopts high-performance CMOS image sensor and processor for in-depth extraction and analysis of vehicle information 24/7. In addition, it embraces deep learning algorithm for accurate recognition of vehicles without license plate, vehicle model, vehicle logo, vehicle series, vehicle color, and more. The camera is extensively applied to vehicle detection and recognition in scenarios such as parking lots, community roads, and more.

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Functions

High-quality image
Industry-specific CMOS image sensor with high sensitivity, high SNR and excellent WDR provides lifelike images 24/7.

Impressive performance
High-performance CPU processor helps extract and analyze information of motor and non-motor vehicles in real-time, providing vehicle feature details for business decision-making.

High-level protection
Integrated design with low power consumption, and IP67 protection grade, suitable for various harsh environments.

Easy installation
Built-in LED illuminator and motorized vari-focal lens, providing ease of installation and commissioning.

Technical Specification

Basic

Illuminator Number	6 IR illuminators, brightness adjustable
Image Sensor	1/2.8'' CMOS
Image Resolution	1920 × 1080 (OSD black strip excluded)
Video Resolution	Main stream: 1080P (1920 × 1080)/720P (1280 × 720) Sub stream: 720P (1280 × 720)/D1 (704 × 576, 704 × 480)/CIF (352 × 288, 352 × 240)
Video Frame Rate	PAL: Main stream (1920 × 1080@25fps, 1280 × 720@25fps), sub stream (1280 × 720@25fps, 704 × 576@25fps, 352 × 288@25fps) NTSC: Main stream (1920 × 1080@30fps, 1280 × 720@30fps), sub stream (1280 × 720@30fps, 704 × 408@30fps, 352 × 240@30fps)
Bit Rate	H.264B: 32 Kbps–32768 Kbps H.264M: 32 Kbps–32768 Kbps H.264H: 32 Kbps–32768 Kbps H.265: 32 Kbps–32768 Kbps MJPEG: 512 Kbps–65536 Kbps
Video Compression	H.264B/H.264M/H.264H/H.265/MJPEG
Picture Encoding Format	JPEG
Noise Reduction	3D NR
White Balance	Full auto, auto color temperature range, customized color temperature
Electronic Shutter Speed	1/50–1/10,000 auto or manual
WDR	96 db
Edge Enhancement	Yes
Exposure Mode	Full auto, customized auto, customized
Iris Control	Auto iris (W: 1.6–T: 3.3)

Performance

Trigger Mode	Video detection; I/O coil

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Shutter	Single shutter
Storage	1 built-in TF card slot. Supports Kingston 16 G, 32 G, 64 G, and 128 G; Dahua 16 G, 32 G, 64 G, and 128 G; SanDisk 16 G, 32 G, 64 G, and 128 G
Image Tampering Prevention	Yes. Video/picture can be checked through watermark and verification
Field of View	H: 108.1° (W)–30.3° (T) V: 56.3° (W)–17.1° (T) D: 130.9° (W)–34.8° (T)
Illumination Distance	12 m (39.37 ft)
Capture Distance	3 m–6 m (9.84 ft–19.69 ft)
Detected Width	3 m –4 m (9.84 ft–13.12 ft)
Min. Illumination	0.002 lx (built-in illuminator on)
Max. Detection Speed	30 km/h (18.64 miles per hour)
Alarm Event	Alarm for events of no storage card, storage card no space, storage card error, network disconnection, IP conflict, and illegal access
Security	Authorized username and password, MAC address binding, HTTPS encryption, IEEE 802.1x, and network access control
OSD Overlay	Supports overlay of time, address, plate, vehicle (color, type, accuracy), vehicle posture, counterfeit, checkpoint direction, trigger source, and custom
Automatic Network Replenishment (ANR)	Yes. Transfer through platform/FTP
Auto Registration	Yes

Intelligence

Vehicle Detection	Vehicle capture rate ≥ 99%
Vehicle Recognition	Supports recognizing vehicle type, vehicle color, features of driver and front-seat passenger, licensed/unlicensed vehicle. Vehicle recognition rate ≥ 95%
Video Metadata	Yes
Intelligent Track Frame	Intelligent frame display. Supports displaying vehicle plate and vehicle path

Port

Lens Mount	Φ14
Analog Output	1
Network	1 × 100/1000 M Ethernet port (RJ-45)
RS-485	2
RS-232	1
Alarm Input	3, optocoupler input (on-off input)
Alarm Output	3 ports. 2-channel optocoupler output, 1-channel relay output, which can connect to devices such as barriers
Audio Input	1-channel RCA port
Audio Output	1-channel RCA port

General

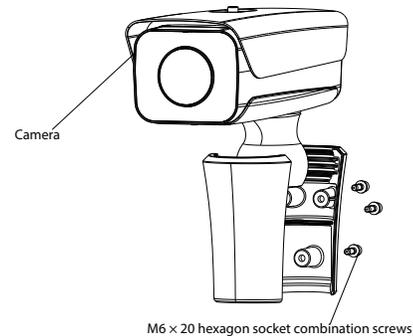|	
Power Supply	12V DC, 24V AC, PoE+
Power Consumption	< 20 W
Operating Temperature	−30°C to +65°C (−22°F to +149 °F)
Operating Humidity	10%RH–90%RH (no condensation)
Casing	Metal + plastic
Protection Grade	IP67
Dimensions	296.5 mm × 124.3 mm × 107.7 mm (11.67'' × 4.89'' × 4.24'') (L × W × H)
Net Weight	1.7 kg (3.75 lb)
Gross Weight	2.3 kg (5.07 lb)
Installation	Universal mounting bracket
Lens	Standard 3.2 mm–10.5 mm (0.13"–0.41")

Certification

CE, FCC	Yes
RoHS	Yes

Ordering Information

Type	Model	Description
2MP Camera	DHI-ITC215-PW6M-IRLZF-O	2MP short range access ANPR camera (850 nm built-in IR illuminator)

Installation

Camera

M6 × 20 hexagon socket combination screws

Dimensions (mm [inch])

296.5 [11.67]

124.3 [4.89]

179.81 [7.08]

107.70 [4.24]