

DHI-ITC231-RU1A-(IR)L

2MP Deep Sense Traffic Camera



Overview

This new camera is mainly used in roadway ANPR system, devoting to Front-end License Plate Recognition. More than 95% vehicle capture rate, up to 95% ANPR rate and support 250 vehicle brand and 8 vehicle type recognition.

Technical Specification

Technical Data

Image Sensor	1/1.9inch CMOS
Max. Resolution	2 MP, 1920 (H)×1080 (V)
Lens range	10.5--42mm 3.7 -- 16mm
Video Frame	50/60 fps
Camera Speed Shutter	1/25~ 1/100000
Minimum Illumination	Color:0.001Lux; 0.0001Lux(IR on)
WDR	100dB
Video Signal Interface	1 ×CVBS port and 2 ×100/1000M Ethernet port
Digital I/O	2 × Input (switch) and 3 × Output (1 relay, 2 switch)
Extra Interface	1 × USB and 1 × FD card

Power,Size,Environment

Power	AC 220V, Max. 15W
Working Environment	Temperature -40°C~+80°C, Humidity 10%~90%
Ingress Protection	IP66
Dimension	447mm ×240mm ×233mm
Weight	4.5 kg

- Adopt 1/1.9inch Starlight CMOS image sensor, high color reducibility, high sensitivity, super Low-Light effect
- Adopt H.265 standard HD video format and 50/60 fps HD video frame rate
- Embedded integration component design, built-in a variety of algorithms, such as ANPR , traffic data collection and analysis, vehicle type classification , traffic incidents detection, vehicle brand detection and so on
- Up to 80m of traffic data counting range
- The accurate of vehicle capture over 95%, the license plate recognition rate is 95%, when the speed is below 80km/h
- Support regional cropping, details can be seen with low bandwidth.

Software Features

License Plate Recognition (LPR)	Embedded
Traffic Data Counting	Performance: Up to 3 lanes for traffic data counting Vehicle type: Passenger Car, Large Truck, Mid Truck, Saloon Car, Micro bus, Micro Truck, Motorbike, Pedestrian Statistical data of each lane: time, date, statistical period, lane, Traffic flow, occupancy, headway, average speed, queue length, vehicle type of each line
Video Compression	H.265, H.264H, H.264M, H.264B, MJPEG
Remote control function	Configure through WEB client
OSD information superimposed	Information of the picture includes time and place (channel address), lane information (number, direction), plate information (license plate), vehicle information (speed and the type of vehicle), illegal (illegal event name and the illegal code) and so on.
ImageRecordsTamper-resistance	Video/Image with watermark tech and check function

Certificaions

CE	
FCC	SEFV1505159