DHI-ITC231-RU1A-(IR)L

DeepSense Traffic Camera

Ordering Information

DHI-ITC231-RU1A-IRL
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Normal Features

> 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 over 90%, when the speed is below 80km/h during the night and day
> Support regional cropping, details can be seen with low bandwidth.
> A variety of signals, data and communication interface

Enhance features

> Support 250 vehicle brand and 8 vehicle type recognition

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> Support traffic flow, occupancy, headway, average speed, queue length statistics
> Support non-motor vehicle detection
> Support plate recognition from many countries including USA, China, Italy, Brazil, South America Area (Mercosul), Turkey, France and so on.
> Support plate recognition of car, van, truck, bus and motorcycle

Specifications

Model		DHI-ITC231-RU1A
General	Resolution	2 Megapixel, 1920×1080
	Image Sensor	1/1.9inch CMOS(8.58mm)
	Sensor pixel size	3.75×3.75
	Lens range	10.5--42mm 3.7 -- 16mm (optional) 5 – 50mm (optional)
	Lens focus	Auto/Manual
	Day & Night Function	ICR
	Infrared Distance	Up to 30m (850nm wavelength)
	Image Compress Mode	JPEG
	Streaming Capability	2 Streams
	Electronic Shutter Speed	Auto/Manual, 1/25~1/100.000s
	Video Compression	H.264/H.265/MJPEG
	Image Resolution	1920×1080
	Video Resolution	1920*1080, 1280*720, 704*576, 352*288
	Video Frame Rate	Up to 60 fps @ 1920x 1080 H.265
	Minimum Illumination	Color:0.001Lux; 0.0001Lux(IR on)
	WDR	100dB
Image parameter	Multi-channel Integration	Support
	Edge Enhancement	Support
	Dead Pixel Correction	Support
	Automatic Noise Reduction	Support(3D Noise Reduction)
	Auto Exposure(AE)	Support(Fully auto/ Custom interval auto/Custom)
	White Balance	Support(Fully auto/color temperature range auto/Custom)
	Back Light Compensation (BLC)	Support
	ROI	Support
Interface	Alarm interface	2 input (switch) 3 output (1 relay, 2 switch)
	Video signal interface	1 CVBS
	Network interface	1 100/1000M Ethernet port
	Data interface	1 RS232 serial port , 2 RS485 ports,1 GPS
	Manual and Auto Iris	Support P-Iris, DC-Iris
	Lens Interface	CS

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	USB interface	1 port
Main Function	ANPR Video Detection Trigger	Support
	ANPR Loop Detector Trigger	Support
	ANPR Protocol Request	Support
	Vehicle Logo Recognizing	Support
	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
	Traffic Counting Range	15-80m
	SD Card Storage	Support TF card, the maximum speed is greater than C10,the maximum capacity:128G
	Remote Control Function	Support through Web client config and control
	OSD information superimposed	Support, Information of the video include time and place (channel address), Lane information (number)
	Image Records Tamper-resistance	Support, Video/Image with watermark tech and check function
	ABF Auto Focus	Support
Network	Protocols	IPv4, IPv6, UDP, TCP, HTTP, HTTPS, RTP/RTCP, IGMP V2/V3, ICMP, ICMPv6, RTSP, FTP, 802.1x, Onvif
	Password Protection	Support
	Access User Login	Support
	Max. User Access	10 users
	Interface	2 x 100/1000 Ethernet
Electrical	Power	12V DC, 24V AC, IEEE 802.3at, IEEE 802.3af
Environmental	Operating Environment	Temperature－40℃～＋80℃, humidity10%~90%
	Dimension	447mm ×240mm ×233mm
	Weight	4.5 kg
	Anti-Condensation	Support
	Ingress Protection	IP67
Certifications	FCC, UL	Support

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*Design and specifications are subject to change without notice.