

## DeepSense Traffic Camera



### Ordering Information

DHI-ITC231-RU1A-IRL  
ITC231-RU1A-IRL  
DHI-ITC231-RU1A-L  
ITC231-RU1A-L

### 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
- > 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

## DHI-ITC231-RU1A-(IR)L

- > Support traffic flow, occupancy, headway, average speed, queue length statistics
- > Support non-motor vehicle detection

## Specifications

Model		DHI-ITC231-RU1A
General	Resolution	2 Megara, 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
	Image Compress Mode	JPEG
	HD Video Compression	H.264/H.265/MJPEG
	HD Image Resolution	1920×1080
	HD Video Resolution	1920×1080
	HD Video Frame Rate	50/60 fps
	minimum illumination	Color:0.001Lux; 0.0001Lux(IR on)
	Camera Speed Shutter	1/25~1/100000
	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)
	Auto White Balance(AWB)	Support(Fully auto/color temperature range auto/Custom)
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
	Auto Iris	Support P-Iris, DC-Iris
	Lens Interface	CS
	USB interface	1 port
Main Function	Video Detection Trigger	Support
	ANPR	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

## DHI-ITC231-RU1A-(IR)L

	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
Boxing	Dimension	14 inch
	Ingress Protection	IP66
	Built-in Unit	Sun shade
	Installation	Fixed on a pole
Environmental	Power Supply	AC220V
	Average Power Consumption	15W
	Operating Environment	Temperature - 40°C ~ + 80°C, humidity10%~90%
	Dimension	447mm ×240mm ×233mm
	Weight	4.5 kg

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\*Design and specifications are subject to change without notice.