

DHI-ITC439-PW1H-Z

4MP Outdoor Parking Space Detector



System Overview

With its high-performance CMOS image sensor and processor, 4MP Outdoor Parking Space Detector generates highly accurate and reliable statistics 24/7 in all-weather conditions. Through its deep learning algorithms, it is capable of monitoring up to 50 parking spaces and offers multiple monitoring modes including area monitoring, parking space monitoring, and plate recognition.

Functions

High Performance

Leveraging its deep learning algorithms, it can monitor up to 50 parking spaces and offers multiple monitoring modes including area monitoring, parking space monitoring, and plate recognition.

High-level Protection

A camera, illuminator and more were brought together into one powerful detector that has low power consumption. It is also IP67 rated, making it highly suitable for a variety of harsh environments.

Wide Dynamic Range

The camera produces vivid images, even in high-contrast lighting conditions, by using industry-leading wide dynamic range (WDR) technology.

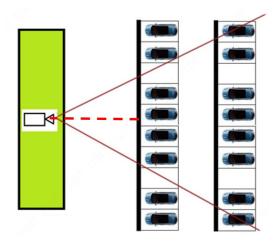
Easy Installation

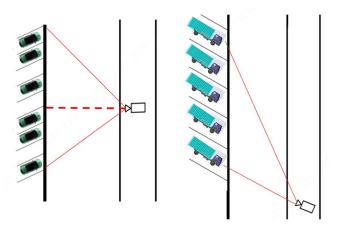
Designed with a built-in LED illuminator and motorized vari-focal lens, the camera is easy to install and commission.

- Adopts high-performance CMOS image sensor and processor for in-depth extraction and analysis of vehicle information 24/7.
- Adopts deep learning algorithms and supports multiple monitoring modes including area monitoring, parking space monitoring, and plate recognition.
- · Monitors up to 50 parking spaces.
- Offers a variety of ports, such as signal, data and communication, and can connect to external devices.
- · Built-in LED illuminator that makes installation easy.
- Motorized vari-focal lens that is easy to install and commission.
- A camera, illuminator and more were combined into one powerful detector that has low power consumption and is IP67 rated.
- Supports 12 VDC, 24 VAC and PoE+.

Scene

It is suitable for expressway service areas, scenic spots, large outdoor parking lots, large buildings in compounds, high-speed railway stations, and more.





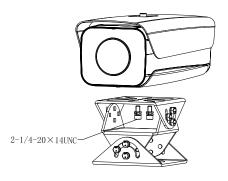
Technical Specification			Intelligence				
Basic			Vehicle Detection		Vehicle capture rate ≥95%		
Illuminator Number	6 × white light (adjustable brightness)		Vehicle Recognition		Supports licensed and unlicensed vehicle recognition.		
Image Sensor	1/1.8" CMOS		Smart TrackFrame		Displays the trajectory of the license plate and vehicle.		
Image Resolution	2688 (H) × 1520 (V) (OSD black background is not calculated in the pixels)		Illegal Parking Detection		Yes		
	Main stream: 4M (2688 × 1520); UXGA (1600 × 1200); 1080p (1920 × 1080); 720p (1280 × 720) Sub stream: 720p (1280 × 720); D1 (704 × 576, 704 × 480); CIF (352 × 288, 352 × 240)		Available Space Detection		Yes		
Video Resolution			Number of Ava Spaces	ailable	Max. 50	spaces	
Video Frame Rate	PAL: Main stream (2688 × 1520@25 fps, 1600 × 1200@25 fps, 1920 × 1080@25 fps, 1280 × 720@25 fps); sub stream: (1280 × 720@25 fps, 704 × 576@25 fps, 352 × 288@25 fps) NTSC:Main stream (2688 × 1520@30 fps, 1600 × 1200@30 fps, 1920 × 1080@30 fps, 1280 × 720@30 fps); sub stream: (1280 × 720@30 fps, 704 × 576@30		Counting Mode		Area monitoring, parking space monitoring, and plate recognition mode.		
			Parking Space Attributes		The attributes of large and small spaces can be configured.		
			Port				
	fps, 352 × 288@30 fps)		Lens Mount		Ф16		
Bit Rate	H.264M: 32 kbps—32768 kbps H.264H: 32 kbps—32768 kbps H.265: 32 kbps—32768 kbps MJPEG: 512 kbps—65536 kbps		Analog Output		1		
			Network		1 × RJ-45 Ethernet port, 100/1000 M network transmission		
Video Compression	H.264M; H.264H; H.265; MJPEG		RS-485		2		
Picture Encoding Format	JPEG		RS-232		1		
Noise Reduction	3D NR		Alarm Input		3, optocoupler input (on-off input)		
White Balance	Auto; Natural; Street lamp; Outdoor; Manual; Regional custom		Alarm Output		3 (1 for relay, and 2 for optocoupler), used to link the barrier.		
Electronic Shutter Speed	1/25–1/10000, auto or manual		Audio Input		1-channel RCA port		
WDR	96 db		Audio Output		1-channel RCA port		
Edge Enhancement	Yes		General				
Exposure Mode	Auto; Manual (select from shutter values or customize shutter range)		Power Supply		12 VDC, 24 VAC, POE+		
Iris Control	Auto iris (W: 1.4–T: 2.15)		Power Consumption		<20 W		
Performance			Operating Temperature		-30 °C to +65 °C (-22 °F to +149 °F)		
Shutter	Single shutter		Operating Humidity		10% (RH)–90% (RH) (no condensation)		
	1 × built-in TF card slot. The following cards are supported: Kingston 16 GB, 32 GB, 64 GB, and 128 GB; Dahua 16 GB, 32 GB, 64 GB, and 128 GB; SanDisk 16 GB, 32 GB, 64 GB, and 128 GB.		Casing		Metal + plastic		
Storage			Protection Grade		IP67		
Image Tampering Prevention	Yes. Verifies watermarks in videos and images		Dimensions		296.5 mm × 124.3 mm × 107.7 mm (11.67" × 4.89" × 4.24") (L × W × H)		
Field of View	H: 114.6° (W)-48.3° (T) V: 59.0° (W)-27.1° (T)		Net Weight		1.7 kg (3.75 lb)		
Illumination Distance	D: 141.6° (W)–55.5° (T)		Installation		Universal mounting bracket		
Illumination Distance	12 m (39.37 ft)		Lens		Included, 4.38 mm–9.33 mm		
Min. Illumination	0.002 lx (built-in illuminator on)						
Alarm Event	Storage full, storage error, no storage card, network disconnection, IP conflict, and illegal access.		Ordering Information		า		
Security	Authorized username and password, MAC address binding, HTTPS encryption, IEEE 802.1x, and network access control		Туре	Part Numb		Description	
OSD Overlay	Time, address, device SN, week, space statistics, anti- counterfeiting code, and custom information.		4MP Camera	PW1H-Z		4MP Outdoor Parking Space Detector	
Auto Registration	Yes		Accessories	8018		3-dimensional universal mounting bracket	

Accessories

Optional:



8018 3-dimensional universal mounting bracket



Dimensions (mm[inch])

