

DHI-ITC436-PW9H-IZP

Dahua 4MP Smart ANPR Camera



System Overview

With its multi-core processor, the Smart ANPR Camera Series delivers high quality images. It uses deep learning algorithms and the high performance CMOS image sensor to perform detection 24/7 and take snapshots of both motor and non-motor vehicles. Cameras in this series can extract attributes such as the model, logo, series and color of vehicles. They also contain various types of signal communication ports, which can meet the requirements for control over peripherals such as barriers and radars.

Functions

Vivid Images

With its intuitive CMOS image sensor, the camera has WDR, a high signal-to-noise ratio, and is highly sensitive, producing vivid images 24/7, making it ideal for use in the traffic industry.

Smart Illumination

The built-in 485 illuminator can be controlled through the webpage. It supports the normally open and normally closed alarm output modes, and easily adapts to scenes by adjusting itself according to the brightness of the environment.

- High-performance CMOS image sensor and processor that supports continuously extracting metadata 24/7.
- Built-in warm light and IR illuminator, the device can switch between two colors, and automatically control the switch or adjust the brightness according to the environment brightness, reducing light pollution and power consumption.
- RS-485 port is used to connect to peripherals such as gates and radars to obtain the working status of devices in real time, achieving remote operation and device health management.
- The intelligent defogging technology can prevent glass from freezing and fogging, which meets all-weather use.
- Designed with integrated structure of low power consumption, IP66 rated.
- Easily adapts to scenarios through its motorized vari-focal lens.









Impressive Performance

The high-performance CPU processor extracts and analyzes information on motor and non-motor vehicles in real time, providing valuable information on their features. This information is useful for effective decision making.

Easy Installation

Easy to install and commission, the camera has an LED illuminator and motorized vari-focal lens embedded in its structure.

Scene

Suitable for shopping malls, hospitals, schools, communities, office buildings and stations.

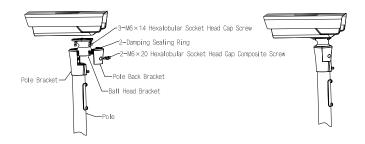
Tookuisal	Coosification						Video Compression	H 2CALL H 2CAR H 2CT, MIREC, H 2CAM
Technical Specification							Video Compression	H.264H; H.264B; H.265; MJPEG; H.264M
Camera Image Sensor		1/1.8" CMOS					Video Bit Rate	H.264B: 2,179 kbps=13,074 kbps; H.264M: 2,179 kbps=13,074 kbps; H.264H: 2,179 kbps=13,074 kbps; H.265: 2,179 kbps=13,074 kbps;
Image Resolution		2688 (H) × 1520 (V) (OSD black edge is not included)						MJPEG: 6,537 kbps-39,223 kbps
Electronic Shutter Speed		Auto/Manual 1/25 s–1/10,000 s					Scene Self-adaptation (SSA)	Yes
Max. Detecti	Max. Detection Speed		60 km/h				Gain Control	Manual; Auto
Min Illumination		0.001 lux@F1.4 (Color, 30 IRE) 0.0002 lux@F1.4 (B/W, 30 IRE)					Noise Reduction	3D NR
wiiii. iiiuiiiiii	Min. Illumination		0.0002 lux@F1.4 (B/W, 30 IRE) 0 lux (Illuminator on)				Region of Interest (RoI)	Yes, 3
ROM	ROM						Image Tampering Prevention	Yes. Watermarks can be added to videos and images. The watermark can also be verified.
RAM	RAM						Privacy Masking	Yes
S/N Ratio	S/N Ratio						Bit Rate Control	CBR/VBR
Scanning Sys	stem	Progressive scanning					Network	
Lens Focal Length	Lens Focal Length		nm				Network Protocol	HTTP; Https; 802.1x; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; IPv4/v6; NTP; SFTP; DDNS; SNMP; PPPOE
Field of View	Field of View		.°; V: 54.0°–26.	0°; D: 114.6°-5	52.8°		API	Yes
Focus Control		Auto, area focus, manual					SDK	Yes
Number of L	Number of Lens						Interoperability	ONVIF (Profile S/Profile T/Profile M); CGI; ITSAPI; P2P
Lens Type	Lens Type		ri-focal				Management Software	DSS express; DSS pro
Max. Apertu	Max. Aperture		1.6				Security	Username and password; MAC address; HTTPS; IEEE 802.1x; network access control
Iris Control		Auto						Plug in:
DORI Distance	Lens W	Detect 60.4 m (198.16 ft)	Observe 24.2 m (79.40 ft)	12.1 m (39.70 ft)	6.0 m (19.69 ft)		Browser	IE 9, 10, 11. Chrome 52 and earlier versions Firefox 42 and earlier versions No plug in: Chrome 92 and later versions
	Т	128.7 m (422.24 ft)	51.5 m (168.96 ft)	25.7 m (84.32 ft)	12.9 m (42.32 ft)		Image	
Illuminato	Illuminator						Image Encoding Format	JPEG
Illuminator N	Illuminator Number		illuminator wit	th IR light)			Image Setting	Brightness; contrast; saturation; gamma; sharpness; gain; white balance
Illuminator C	Illuminator Color						Day/Night	IR filter, support three modes: color, B/W, auto
Illuminator B	Illuminator Brightness						WDR	140 dB
-	Adjustment Illuminator On/Off Control						HLC	Yes
	Illumination Distance						BLC	Yes
	illumination distance		8 m (26.25 ft) According to the brightness of the environment, the camera automatically adjusts the intensity of its light				White Balance	Auto; Regional Custom; Manual; Outdoor; Natural; Street Lamp
Smart Illumination		to reveal the details of moving targets. Devices with warm light can automatically adjust the light intensity according to the time.					Digital Detail Enhancement (DDE)	Yes
Infrared Wavelength		850 nm					OSD Overlay	Supports overlay of time; address (position of channel), lane (number/direction), plate (number and color), vehicle (color and type)
Video				Audio				
Video Resolution		Main stream: 4MP (2688 × 1520)/1080p (1920 × 1080)/720p (1280 × 720) Sub stream: 960H (960 × 576)/D1 (704 × 576)					Audio Port	Yes
		PAL: Main stream (2688 × 1520@25 fps, 1920					Port	
Video Frame Rate		×1080@25 fps, 1280 × 720@25 fps), sub stream (960 ×576@25 fps, 704 × 576@25 fps)					Audio Input	1 channel (terminal)

Audio Output	1 channel (terminal)		
Network Port	RJ-45 (10/100 Mbps Ethernet port)		Baseline support: 10 options (87 countries) General: Supports universal characters GCC (U.A.E., Saudi Arabia, Morocco, Oman, Iraq, Egypt, Jordan, Qatar, Kuwait, Bahrain, Lebanon) South Africa: South Africa, Tanzania, Mozambique, Zambia, Uganda, Equatorial Guinea, Mauritius, Kenya South Asia Region (India Region): India, Maldives Europe (Netherlands, France, Germany, Britain, Italy, Poland, Belgium, Bulgaria, Serbia, Slovakia, Spain, Denmark, Turkey, Israel, Czech Republic, Bosnia and Herzegovina, Switzerland, Austria, Hungary, Romania, Lithuania, Latvia, Sweden, Estonia, Portugal, Greece, Slovenia, Luxembourg, Palestine, Lebanon, Ireland, Finland, Norway, Croatia, North Macedonia) South American Economies Collection (Uruguay, Paraguay, Brazil, Argentina, Chile, Colombia, Peru, Ecuador, Guyana, Bolivia) Mexico and other countries: Mexico, Costa Rica, Curacao, Guatemala Eurasian Collection (Russia, Ukraine, Kazakhstan, Kyrgyzstan, Uzbekistan, Tajikistan, Moldova, Lithuania, Latvia, Georgia, Azerbaijan, Turkmenistan) North America (United States, Canada) North Africa Region Collection: Tunisia, Morocco, Algeria, Libya The baseline algorithm is supported for the following 19 countries: Republic of Korea, Indonesia, Singapore, Cambodia, Australia, Thailand, Bassett, Nigeria, Pakistan, Viet Nam, Mongolia, Bangladesh, Myanmar, Philippines, Laos, Iraq, Japan, Maldives, Nepal.
Storage	TF card holder + direct plug		
-	3 channel, optocoupler input (wet node on-off value:		
Alarm Input	5 V)		
Alarm Output	2 channel, relay output (2 A, 30 VDC/0.5 A, 125 VAC), which can connect to devices such as barriers		
RS-485	2 channel		
Reset Button	Yes	Country and Region Supported by ANPR	
Number of Memory Slots	1		
Performance			
Maximum Number of Passed Vehicles	10000		
Max. Number of Connections	10		
Function			
Restricted List/Trusted List	Allowlist: 110,000 Blocklist: 110,000		
	Alarms for events of no storage card, storage card no	Capture Rate	In the recommended installation and lighting condition, the vehicle capture rate $\geq 99\%$
Basic Event	space, storage card error, network disconnection, IP conflict, and illegal access.	Recognition Rate	In the recommended installation and lighting condition, the recognition rate for positive and departing vehicles 296%; the recognition rate for European vehicle plates
Alarm Linkage	Upload to FTP/Memory card, notify monitoring center, send e-mail, trigger alert output.	Cananal	≥ 98%
Capture Distance	2.5 m–6 m (8.20 ft–19.69 ft)	General	
Detected Width	3 m-4 m (9.84 ft-13.12 ft)	Power Supply	12 VDC, 2 A, PoE 802.3at; max 20 W Power consumption in different conditions:
Automatic Network Replenishment (ANR)	Yes, platform/FTP	Power Consumption	No lighting < 10 W Lighting < 20 W
Storage	Built-in one TF card port; TF card (up to 256 GB)	Defog (Glass Heating)	Automatic defog
Intelligence		Protection	IP66
	Recognizes vehicle types, vehicle signs, vehicle color,	Anti-corrosion Level	Basic Protection
Al Recognition	vehicle plate, vehicle without plate.	Material	Metal + plastic
Video Metadata	Displays the intelligent frame, plate and vehicle paths.	Product Dimensions	380.9 mm × 154.1 mm × 1423.6 mm (15.00" × 6.07" × 56.05")
Vehicle Brand Vehicle Color	Recognizes 147 vehicle logos. Recognizes 12 colors: Grey, black, white, silver, blue,	Packaging Dimensions	1855.0 mm × 239.0 mm × 251.0 mm (73.03" × 9.41" × 9.88")
vernicle color	green, purple, red, orange, pink, brown, and yellow.	Net Weight	7.25 kg (15.98 lb)
	Recognizes 10 vehicle types: Large Bus, Heavy Truck,	Gross Weight	11.05 kg (24.36 lb)
Vehicle Type Recognition	Medium Truck, Sedan, Van, Light Truck, Medium Bus, SUV, MPV, Pickup	Storage Humidity	≤95% (RH), non-condensing
		Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
		Operating Temperature	-30 °C to +65 °C (-22 °F to +149 °F)
		Operating Humidity	10%–95% (RH), non-condensing
		Certifications	CE UKCA

Display Screen Type

Ordering Information					
Туре	Model	Description			
Smart ANPR Camera Series	DHI-ITC436-PW9H- IZP	Dahua 4MP Smart ANPR Camera			

Installation



Dimensions (mm [inch])

