

DHI-ITC237-PW6M-IRLZF1050

2MP Long Range Access ANPR Camera



- CMOS image sensor
- Video compression standards: H.265/H.264M/H.264H/H.264B/MJPEG
- Integrated design, IP67

System Overview

The long range access ANPR camera is designed with high-performance CMOS image sensor and independently-developed processor, capable of reading and extracting detailed vehicle information day and night. Intelligent deep learning algorithm allows recognition of vehicle license plate, and vehicle brand, model, logo, and color. The camera is extensively applied to vehicle capture and recognition of community road, parking lot, and other entrance and exit surveillance scenarios.

Functions

High-quality image

Industry-specific CMOS image sensor with high sensitivity, high SNR and excellent WDR provides lifelike images in all weathers.

Complete intelligence

High-performance CPU processor helps extract and analyze information of motor and non-motor vehicles in real-time, providing vehicle feature details for business decision-making.

High-level protection

Integrated design with low power consumption, and IP67 protection grade, suitable for various harsh environments.

Multiple ports

Various signal, data and communication ports, capable of connecting to external devices such as barrier.

Easy installation

Built-in LED illuminator and motorized vari-focal lens, providing ease of installation and commissioning.



DHI-ITC237-PW6M-IRLZF1050

Technical Specification

Image Processing

Illuminator(# Rilluminators (brightness adjustable)Image Sensor1/1.8° CMOSImage ResolutionSloo 1080 (OSD black strip excluded)Ivideo ResolutionSubstream: 7200 (1200 × 7200, 12700 × 1280 × 7200)Ivideo Frame RateRall materam (1920 × 10800/9205ps, 1280 × 7208, 255ps, 502 × 288, 352 × 2408, 3050 × 7208, 255ps, 502 × 7288, 255ps, 502 × 7208, 2500, 5000, 50	Image Processing		
Index Production1920 × 1080 (DSD black strip excluded)Image ResolutionMain stream: 1080P (1920 × 1080) (T2P0 (1280 × 720) / 12Video ResolutionMain stream: (1920 × 1080) 2059; 1280 × 2200255p); sub stream: (1280 × 7200) 11 (704 × 576; 704 × 480) / CIF (352 × 288, 352 × 240)Video Frame RatePAL: Main stream (1920 × 1080) 2059; 1280 × 2200255p); sub stream (1920 × 1080) 3059; 1280 × 72002305p); sub stream (1920 × 1080) 3059; 1280 × 72002305p; 305 × 72002	Illuminator	6 IR illuminators (brightness adjustable)	
InternationalWain stream: 1080P (1920 × 1080) / 720P (1280 × 720)Video ResolutionSub / CF (352 × 288, 352 × 240)Video Frame RatePAL: Main stream (1920 × 1080@30fps, 1280 × 720@25fps, 352 × 288@25fps) NTS: Main stream (1280 × 720@30fps, 704 × 570@25fps), sub stream (1280 × 720@30fps, 704 × 570@30fps), sub stream (1280 × 720@30fps, 704 × 570@30fps), sub stream (1280 × 720@30fps, 704 × 570@30fps), sub stream (1280 × 720@30fps), 704 × 570@25fps), sub stream (1280 × 720@30fps), 704 × 570@25fp, 704 × 570@25fp, 704 × 570%260000 × 10000 × 100	Image Sensor	1/1.8" CMOS	
Video ResolutionSub stream: 720P (1280 × 720) / 01 (704 × 576, 704 × 480) / CIF (352 × 288, 352 × 240)Video Frame RatePAL: Main stream (1920 × 720@25fps, 704 × 570@25fps), sub stream (1280 × 720@25fps, 704 × 570@25fps), sub stream (1280 × 720@20fps, 704 × 308@30fps, 552 × 240@30fps), 1280 × 720@30fps), sub stream (1280 × 720@30fps, 704 × 308@30fps, 552 × 240@30fps), 50 × 720@30fps, 704 × 308@30fps, 552 × 240@30fps), Sub stream (1280 × 720@30fps, 704 × 308@30fps, S52 × 240@30fps), Sub stream (1280 × 720@30fps, 704 × 308@30fps, S52 × 240@30fps), Sub stream (1280 × 720@30fps, 704 × 308@30fps, S52 × 240@30fps)Bit RateH.264H: 32kbps-32768kbps H.265H: 32kbps-32768kbps MIPEC: S12kbps-65536kbpsVideo EncodingJPEGImage EncodingJPEGVideo EncodingJONRWilte BalanceISO-1/10000, auto or manualWide Dynamic Range96dbPicatoric ShutterJSO-1/10000, auto or manualFiger ModeFull auto; customized auto; customizedFirisAuto irs (W:1.3-T:2.3)FunctionSingle shutterStorageJobilt-In Tc ard port. Kingston 166, 32G and 64G; Sanbuk 166, 32G and 64G; Sanbik 16G, 32G and 64G; Sanbuk 16G, 32G and 64G; Sanbik 16G, 32G and 64G; Sanbuk 16G, 32G and 64G; Sanbik 16G, 32G and 64G; Sanbuk 16G, 32G and 64G; Sanbik 16G, 32G and 64G; Sanbuk 16G, 32G and 64G; Sanbik 16G, 32G and 64G; Sanbuk 16G, 32G and 64G; Sanbik 16G, 32G and 64G; Sanbuk 16G, 32G and 64G; Sanbik 16G, 32G and 64G; Sanbuk 16G, 32G and 64G; Sanbik 16G, 32G and 64G; Sanbuk 16G, 32G and 64G; Sanbik 16G, 32G and 64G; Sanbuk 16G, 32G and 64G; Sanbik 16G, 32G and 64G; Sanbuk 16G, 32G and 64G; Sanbik 16G, 32G and 64G; Sanbuk 16G, 32G and 64G; Sanbik 16G, 32G a	Image Resolution	1920 × 1080 (OSD black strip excluded)	
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Bit Rate L264M: 32Kbps-32768Kbps MPEG: 512Kbps-32768Kbps MPEG: 512Kbps-65536Kbps Video Encoding H.266B/H.264M/H.264H/H.265/MJPEG Image Encoding JPEG Noise Reduction JONR White Balance Color temperature range; customized custor remperature Wide Dynamic Range 96db Edge Enhancement Yes Function Video detection; I/O coil; video detection and I/O coil Furger Mode Video detection; I/O coil; video detection and I/O coil Shutter Single shutter Storage On (98.43 ft) Max Speed that the camera Detects Single score and encore score	Video Frame Rate	720@25fps), sub stream: (1280 × 720@25fps, 704 × 576@25fps, 352 × 288@25fps) NTSC: Main stream (1920 × 1080@30fps, 1280 × 720@30fps), sub stream (1280 × 720@30fps, 704 ×	
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Preventionand verificationMax Illumination Distance30 m (98.43 ft)Max Speed that the Camera Detects80 km/hAlarm EventAlarm in the case of no storage card, not enough storage space, storage card error, network disconnection, IP conflict, and illegal accessSecurity ModeAuthorized username and password, MAC address binding, HTTPS encryption, IEEE 802.1x, and network access controlOSD OverlaySupports overlay of time, address (position of channel), lane (number/direction), plate (number and color), vehicle (speed, color, type)ANR (Automatic Network Replenishment)Yes. Platform/FTP	Storage	, , , , , , , , , , , , , , , , , , , ,	
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Replenishment)	OSD Overlay	lane (number/direction), plate (number and color),	
Auto Register Yes		Yes. Platform/FTP	
	Auto Register	Yes	

Intelligence		
Vehicle Detection	Vehicle capture rate ≥99%	
Vehicle Recognition	Supports recognizing vehicle type, vehicle logo, vehicle color, license plate, and vehicle without plate. Vehicle recognition rate ≥95%	
Video Metadata	Yes	
Intelligent Track Frame	Intelligent frame display. Supports displaying vehicle plate and vehicle path	
Ports		
Lens	Lens in the camera module	
Analog Output	1	
Ethernet Port	1 100/1000M Ethernet port (RJ45)	
RS-485 Port	2	
RS-232 port	1	
Alarm Input	3, optocoupler input (switch quantity)	
Alarm Output	3 ports. 2-channel optocoupler output, 1-channel relay output, which can connect to devices such as barriers	
Audio Input	1-channel RCA port	
Audio Output	1-channel RCA port	
General		
Power Supply	12V DC, 24V AC, PoE+	
Power Consumption	< 20W	
Working Temperature	-30°C to +65°C (-22°F to +149 °F)	
Working Humidity	10%–90% (no condensation)	
Housing	Metal and plastic	
Protection Grade	IP67	
Dimensions (L×W×H)	370.4mm×124.7mm×105.7mm (14.58"×4.91"×4.16")	
Net Weight	1.7kg (3.75lb)	
Gross Weight	2.5kg (5.51lb)	
Installation	Universal joint installation	
Lens	10mm–50mm (0.39"–1.97")	
Certification		
CE, FCC	Yes	
RoHS	Yes	

DHI-ITC237-PW6M-IRLZF1050

Ordering Information			
Туре	Part Number	Description	
2MP Camera	DHI-ITC237-PW6M- IRLZF1050	2MP long range access ANPR camera (850nm built-in IR illuminator)	
Bracket	PFA162	3-dimensional universal mounting bracket	

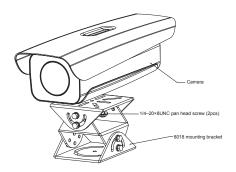
Accessories

Optional:



PFA162 3-dimensional universal mounting bracket

Installation



Dimensions (mm[inch])



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