

ITC237-PU1B-L

2 Megapixel Full HD WDR Access ANPR Camera



- Embedded with LPR algorithm inside the camera.
- Support plate cutout, overview picture snapshot and video recording
- Embedded with White list database, control the barrier
- Powerful 5-50mm manual lens and white light, ideal for long distance ANPR as far as 40m
- Wide working temperature, IP66 and superior performance for outdoor applications· True WDR technology

System Overview

Featuring a True Day/Night, 2-megapixel resolution LPR camera in low speed environment, such as parking, access control and urban street. It supports video detection and recognizes the plate in low speed less than 60KM/H with embedded LPR algorithm. White list database inside the camera control the barrier opened. This model provides an all-in-one solution for capturing long distance license plate with long focus lens and strong white lighting in outdoor applications. True WDR for environment with direct sunlight or glare, even head light on when the vehicle approach..

Functions

Embedded license plate recognition algorithm

With built-in intelligent video analytics, the camera has the ability to detect and recognize moving vehicle's plate number in low speed less than 60km/h. No matter for the approaching or departure vehicle, access ANPR camera will take a snapshot for plate cutout, vehicle overview picture and also record the surveillance video.

Embedded White list

Embedded with white list inside the camera, control the barrier opened by the camera relay if the plate number recognized is in the white list. Support to import batch list as much as 10000 records.

Wide Dynamic Range

Embedded with industry leading wide dynamic range (WDR) technology, vivid plate pictures are achieved even in the most intense contrast lighting conditions. For applications with both bright and low lighting conditions that change quickly or the head light of vehicle is on at night, True WDR (140dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video of plate.

Multiple Detection

The camera supports loop and video detection, it is more stable when the system is used for controlling the barrier or counting the vehicle number in the access control, also even the loop detection is accident, video detection will be instead automatically.

Environmental

With a temperature range of -30 °C to +60 °C, the camera is designed for extreme temperature environments within heat fan module. Subjected and certified to rigorous dust and water immersion tests, the IP66 rating makes it suitable for demanding outdoor applications. For environments with rain, sleet, snow and fog, an integrated wiper provides users with clear visibility at all times.

Technical Specification

Camera

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|--------------------------|---|
| Image Sensor | 1/2.8" 2Megapixel Starvis R CMOS |
| Effective Pixels | 1920(H)x1080(V) |
| Scanning System | Progressive |
| Minimum Illumination | 0.005Lux/F1.6 (color) ; 0Lux/F1.6 (IR on) |
| Electronic Shutter Speed | 1/50~1/10000 |
| White light Distance | 40m |
| White light LEDs | 6 |

Lens

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| Lens Type | Manual/Auto Iris(DC) |
| Mount Type | CS |
| Focal Length | 5-50mm option |
| Max Aperture | F1.6 |
| Angle of View | H: 50°~ 5.6° V:37.5° ~4.2° |
| Focus Control | Manual |
| Close Focus Distance | 4~40m for license plate (Different height required, >10 long range recommendation) |
| Focus Width Range | 1~2 lanes width |

Intelligence

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|-----------------|--|
| LPR function | Embedded with lpr engine in the camera |
| Detection model | Loop or video detection |
| Snapshot | Overview and cutout of plate for picture |
| OSD overlay | Time, plate number |
| White list | 10000 records database inside the camera |
| Barrier control | 2 ch relay out to control the barrier |

Video

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|------------------|-------------------------------------|
| Compression | H.265/H.264M/H.264H/H.264B |
| Resolution | 1080P(1920x1080) |
| Frame Rate | 1080P(1 ~ 25/30fps) |
| Bit Rate Control | CBR VBR |
| Bit Rate | 32 ~ 16384 Kbps |
| Day/Night | Auto(ICR) / Color / B/W |
| BLC Mode | BLC,HLC,WDR(140db) |
| Dual Stream | Support, Main stream and sub stream |
| White Balance | Auto/Manual |
| Gain Control | Auto/Manual |
| Noise Reduction | 3D |

Network

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|---------------------|--|
| Ethernet | RJ-45 (100/1000Base-T) |
| Protocol | IPv4/IPv6, HTTP, TCP/IP, UDP, NTP, DHCP, DNS |
| Interoperability | CGI, Onvif |
| Max. User Access | 20 |
| Edge Storage | Micro SD, Max 64GB Status Display Local PC for Instant Recording |
| Web Viewer | IE8,IE9,IE10,IE11, Chrome V33, V41 |
| Management Software | DSS, PMS |

Certifications

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|----------------|-----------|
| Certifications | CE FCC |
|----------------|-----------|

Interface

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|-----------------|---------------------------------|
| Video Interface | PAL/NTSC |
| Audio Interface | Input/Output 2 Input / 1 Output |
| RS485 | NA |
| Alarm | 2/2In/Out |

Electrical

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|-------------------|----------------|
| Power Supply | POE+ (802.3at) |
| Power Consumption | 17W |

Environmental

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|--|--|
| Operating Conditions | Temperature-30°C~+60°C, Less than 95% RH |
| Ingress Protection & Vandal Resistance | IP66 |

Construction

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|------------|-----------------------|
| Dimensions | 447mm ×240mm ×233mm |
| Net Weight | 4.1 kg with packaging |

Accessories

Pole mount



PFA162
House Bracket



1.2m Pole

Wall mount:



PFB604W
Wall mount

Ordering Information

| Type | Part Number | Description |
|-------------|---------------|---|
| 2MP Camera | ITC237-PU1B-L | 2MP HD Access LPR, loop and video detection, embedded LPR |
| Accessories | PFA162 | Housing Bracket |
| | 1.2m Pole | 1.2m Pole |
| | PFB604W | Wall Mount Bracket |

Dimensions (mm/inch)

