ITC237-PU1B-IR

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 IR light, ideal for long distance ANPR as far as 40m
·Wide working temparature, 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 60kmh 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 IR 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 within low speed. 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

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

Wide Dynamic Range

Embeded with industry leading wide dynamic range (WDR) technology, vivid plate picutures 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. Subjected and certified to rigorous dust and water immersion tests, the IP66 rating makes it suitable for demanding outdoor applications. For enviorments with rain, sleet, snow and fog, an integrated wiper provides users with clear visibility at all times.

Technical Specification

Camera

Image Sensor	1/2.8" 2Megapixel Starvis R CMOS
Effective Pixels	1920(H)x1080(V)
Scanning System	Progressive
Minimum Illumination	0.002Lux/F1.6 (color); 0Lux/F1.6 (IR on)
Electronic Shutter Speed	1/50~1/10000
IR Distance	40m
IR LEDs	6

Lens

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, >10m long range recommendation)
Focus Width Range	1~2 lanes width

Intelligence

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

Compression	H.265/H.264M/H.264H/H.264B/MJPEG
Resolution	1080P(1920x1080) / 720P(1280x720) / D1(704x576)
Frame Rate	Main Stream: 1080P(1 ~ 25/30fps) Sub Stream: 720P/ D1 (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

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

Certifications	CE FCC

WDR Access ANPR | ITC237-PU1B-IR

Interface

Video Interface	PAL/NTSC
Audio Interface	2 Input / 1 Output
RS485	NA
Alarm	2 Input / 2 Output

Eelectrical

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

Environmental

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

Construction

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-IR	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)