



雙偵測攝影單元車牌辨識攝影機系統
DUAL SENSOR ALPR CAMERA SYSTEM

IZ500 車牌辨識攝影機系統-係專為國土安全控管及進出管制市場需求所予以特別設計。

IZ500 ALPR – Automatic License Plate Recognition - **Camera System** was designed specifically for security and access control markets.

IZ500 攝影機系統裝設有兩個偵測攝影單元(車牌黑白及彩色全景)，且當與影像處理器 IZDPU 或戶外專用型 IZODPU 系統搭配使用時，其四核心處理器可自動辨識車牌資料、GPS 座標，清晰銳利的圖像和串流視訊。

IZ500 Camera System houses two sensors (B&W and color) and when paired with the IZDPU or IZODPU SYSTEM quad core processor delivers automatically recognizes license plate data, GPS coordinates, crystal clear images and streaming video.

IZ500 車牌辨識攝影機為高速車牌辨識市場準確度最高之車牌讀取系統。其內建與快門同步 LED 輔助照明在車速高達 120 英哩(193 公里)/小時與及所有光線照度及氣候條件下，皆能保持其高準確度。

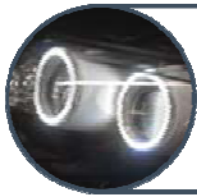
The **IZ500 ALPR camera** delivers the most accurate license plate reading system on the market. It features built-in synchronized LED illumination and maintains high accuracy in all lighting and weather conditions at vehicles speeds of up to 120 miles per hour.

IZ500 能使進出管制系統依車輛車牌以允許或拒絕通行，並有效管控進出監控設施場地之車流量。

The **IZ500** enables access control systems to use vehicle license plates to grant or deny access, and to efficiently control vehicle flow coming in and out of the monitored facility.

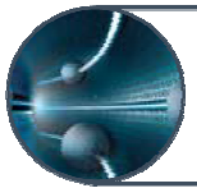
IZ500 車牌辨識攝影機建立了一個高效能、準確和可靠的平台，其使得影像操作管理系統 VMS，得以識別及評估車輛外觀，偵測可疑行為、同時進行更快速的事件蒐證。

The **IZ500 ALPR camera** creates an efficient, accurate and reliable platform, enabling VMS operations management to recognize and evaluate vehicle patterns, detect suspicious behavior and run faster forensics.



雙偵測攝影單元技術: 提供紅外線或白光 LED 車輛黑白車牌辨識和彩色車輛全景審閱影像。

Dual Sensor Technology: Delivers both color and B&W Infrared or white LED illumination Images of the vehicle and the license plate.



影像處理器 IZDPU 或戶外專用型影像處理器 IZODPU 內建即時車牌辨識引擎: 車牌擷取辨識處理時間少於 1/4 秒。

IZDPU or IZODPU with Built-in Real-Time ALPR Engine: Less than 1/4 of a second plate processing time.



多重循序變換快門速度與同步補光紅外線照明技術系統: 使攝影機在所有光線照度及氣候條件下，均能對高速車輛擷取多個不同快門速度照度車牌影像，以確保獲得最高品質的照片。

Multiple Shutter Flash Technology with Synchronized IR Illumination System: Enables the camera to capture multiple plate images in different shutter speed, ensuring the highest quality photo, in all lighting and weather conditions.



特殊防眩光技術: 消除車頭燈、日照及車體反射眩光，提供高對比度的清晰車牌影像。

Anti-Glare Technology: Eliminates headlight, sunshine and vehicle body glare, providing legible plate images with high contrast.



整合保全控管與進出管制 VMS: OnSSI, LENEL, exacqVision & Software House (TYCO), Verint, NICE, AMAG, PCSC 及更多系統。

Integrated with security & access control VMS: OnSSI, LENEL, exacqVision & Software House (TYCO), Verint, NICE, AMAG, PCSC, and many more





一般規格 General

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|-------------------------------|--|
| 型號 Models | IZ500 |
| 辨識作業距離 Operating Distance | 10~50 呎(3~15 米), 不反光車牌則 2-10 米 10-50FT; 3-15M, For non-reflective LPs distance is 2-10M |
| 車輛速度範圍 Vehicle Speed Range | 0~120 英里(0~193 公里) 0-120mph (0-193km/h) |
| 最大視野範圍 Field-of-View | 涵蓋車道最寬達 13 呎(4 米) Up To 13 Ft (4M) |

內建規格 Internals

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|--------------------------|--|
| 車牌辨識攝影單元 Sensor, ALPR | 1.2MP, 1280x960 循序掃描, 黑白, 0.0 Lux 1.2MP, 1080x960, Progressive scan, Mono, 0.0 Lux |
| 車輛全景攝影單元 Sensor, OV | 2.0MP, 1080p 循序掃描, 彩色全景 2.0MP, 1080p, Progressive scan, Color for overview |
| 鏡頭 Lens | CS (LPR 5-50mm 變焦), D14 接頭(OV 變焦) CS mount, LPR 5-50mm varifocal lens, D14 mount, OV varifocal lens |
| 快門設定 Shutter | 全域快門(車牌), 速度 1/500-1/100,000 秒 Global shutter(ALPR), speed range from 1/500 to 1/100,000 |

環境規格 Environmental

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| 操作溫度 Operating Temperature | -25°F ~ 140°F (-31°C ~ 60°C) |
| 儲存溫度 Storage Temperature | -40°F ~ 152°F (-40°C ~ 70°C) |
| 容許濕度 Humidity | 0% to 98% 無結露 0% to 98% Non-condensing |
| 鹽霧保護 Salt Fog | 含 5% 鹽度之大氣層 Salt atmosphere with 5% salinity |
| 防水等級 Rating | IP66 防水等級 IP66 |

電器規格 Electrical

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| 直流電壓 DC Voltage | 24VCD +/- 10%, Class 2 低電壓 24VCD +/- 10%, Class 2 Low - voltage |
| 功率消耗 Power Consumption | 12W 12Watts |

作業規格 Operation

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| 輔助照明 Illumination | 固定陣列紅外線或白色 LED IR or white LEDs, Fixed array |
| 曝光時序 Exposure | 用戶選擇同步補光脈衝與快門時序 User selectable pulsed illumination & shutter sequencing |
| 視訊輸出 Video Output | MJPEG, H.264 |
| 網路介面 Network Interface | ALPR-1000MB/秒 sec OV-100MB/sec |

技術規格 Technical

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| 操作性能 Performance | 不同天候狀態都可全天 24 小時作業 Operates 24hrs/day under diverse weather conditions |
| 辨識準率 LP Recognition Rate | 一般辨識準確率 >93%, 強化辨識後 >98% Nominal accuracy >93%, With recognition enhancement >98% |
| 圖像幀率 Nominal Capture Rate | 可依安裝, 速度需求設定圖像幀率如每秒 57 幀 By requirements reaching over 57 frames rates per second |
| 安裝角度 Installation Angles | 俯仰角 < 35°, 方位角 < 40°, 旋轉角 < 10° Angle of elevation < 35°, Azimuth < 40°, Roll < 10° |
| 觸發模式 Trigger mode | 同時支援實體線圈觸發或虛擬觸發取像 Support both solid loop trigger or virtual non-trigger mode |

機械規格 Mechanical

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| 外觀尺寸 Dimensions | 17.7 x 6.7 x 4.6 英寸 17.7" x 6.7" x 4.6" |
| 寬 x 高 x 厚 (W x H x D) | 450 x 171 x 116 毫米 (450mm x 171mm x 116mm) |
| 機身淨重 Weight | 5 磅 (2.2 公斤) 5lbs (2.2Kg) |
| 輸出接頭 Connections | 2 個乙太網路接頭 2 Ethernet connections |
| 電源出線 Corded "Pigtails" | 電源線 x 1 (2-Con/Shld/18awg) 1 x Power (2-Con/Shld/18awg) |