AI@Sense

License Plate Recognition System

Product Catalog & Specification

太奇雲端|**Touch Cloud**

► **AI technology for real-time license plate recognition.**

► **Accuracy up to 99% and speed up to 110km/h.**

► **All-day operation and even full color recognition at night.**

► **Real-time video streaming can be viewed, the distance and angle of recognition can be adjusted according to the location to achieve the best analysis position.**

► **Backend platform for remote setup/ operation/recognition result viewing, etc.**

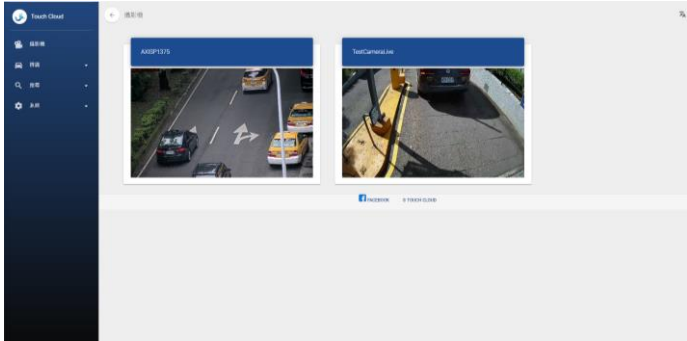► **Support Restful API for system integration or other applications.**

Various Scenarios

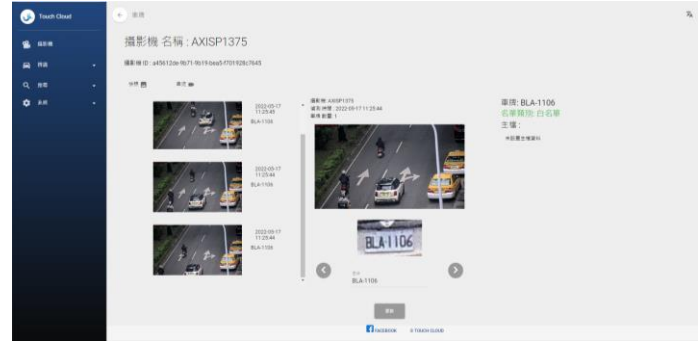**Community Residential**
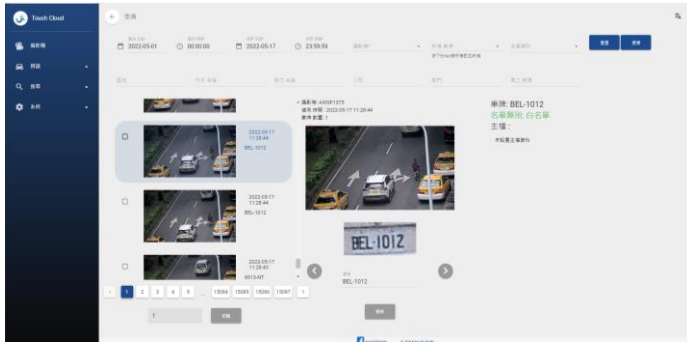
Parking Lot
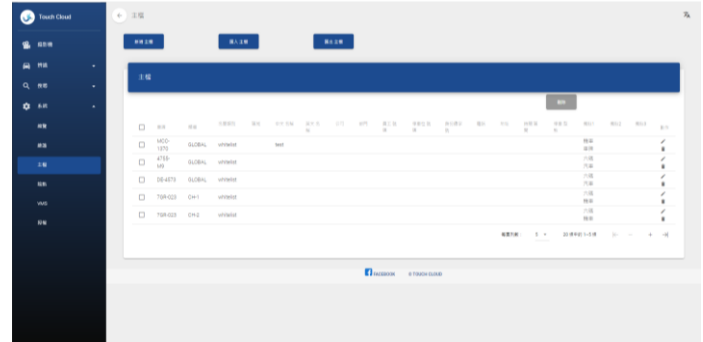
Traffic Enforcement

System View

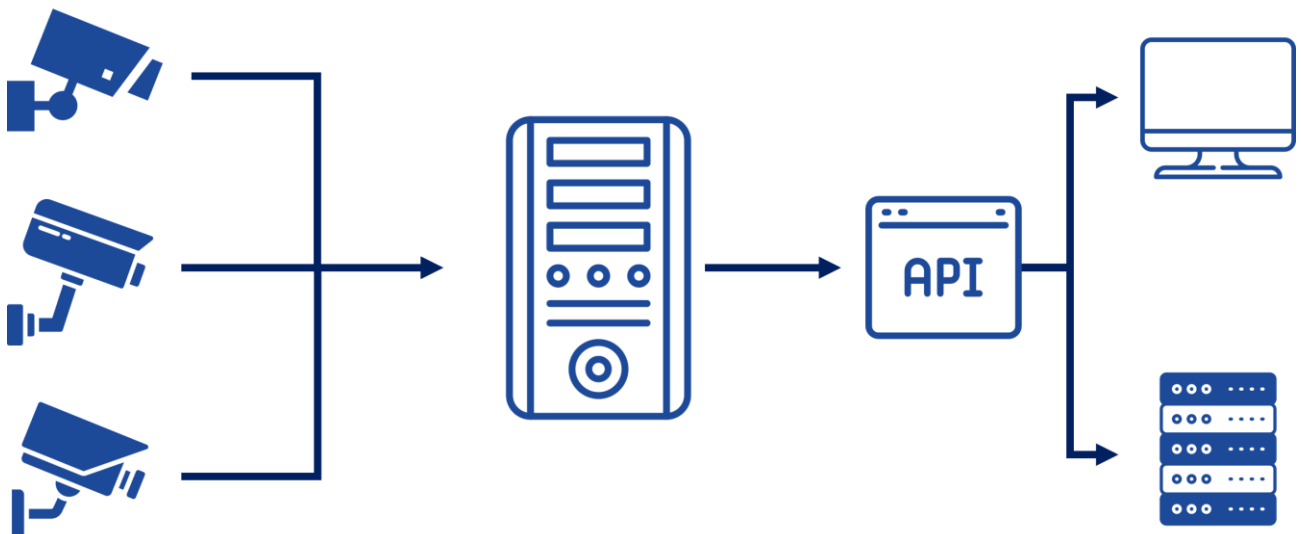

Live Camera View

Real-time license plate recognition view

License Plate Event Search

Main File Information Building

System Architecture

Product Specifications

Product/Software Feature	
Product Name	AI@Sense License Plate Recognition System
Recognition Items	License Plates
User Privilege Administration	Different permissions can be set by different identities
	AD account password management function
Recording Software	Network Optix Witness VMS
API Development Tools	Support Restful API for system integration
Supported Languages	Chinese/English

License Plate Recognition		
	Color	Black on White | Black on Yellow | Green | White on Black | White on Red
	Type	Taiwan License Plate
	Accuracy	99 % or above
	Vehicle Speed	Up to 110(km/h) (Depending on Use Conditions)
	Channels	8 channels (Depending on Use Conditions)
	Supports "-"	Support
	Cooling Mechanism	Avoid duplicate recognition of the same license plate number by different cameras in the same system within a specific period of time.
	Voting Mechanism	Voting mechanism to enhance the accuracy of recognition accuracy.
	Area Settings	Multiple detection areas can be set up.
		Rectangular and irregular polygon blocks can be set.
		Two or more trigger modes: Center Trigger and Edge Trigger.

Backend platform		
	Interface Operations	Remote Setting / Operation / Recognition Results Display
	Event View	Live Event View: License Plate Recognition
	Event Search	Fuzzy License Plate Search | Search by Date and Time | Search by Camera Channel | Search by Main File
	Event Report	License Plates Event Log
	Event Output	Events can be exported to the specified database for subsequent use according to user requirements.
	Event Alerts	Can integrate warning light and speaker, legal display green light, illegal display red light and alarm sound..
	White List	Support white list setting, import and export functions
	Black List	Support black list setting, importing and exporting
	List Groups	Each license plate list can trigger events independently.
	CSV Transfer In/Out Support	UTF-8 format CSV transfer in and out
Database		License Plate Screenshot | Camera Screenshot | License Plate Recognition Record | List

Recommended Hardware Specifications

Server	
CPU	10th Intel® Core i7(8 Cores / 12MB / 12T / 2.3GHz to 3.8GHz / 35W) or above
GPU	Nvidia RTX 3080 12G or above
RAM	64 GB DDR4 or above
SSD	512 GB or above
OS	Linux Ubuntu 20.04 / Windows 11

IP Camera	
Communication Protocol	ONVIF IP Camera
Compression Format	H.264 or H.265
Resolution	1080P (1920x1080)
Transfer Rate	30 FPS

Services and Upgrades
Customization services according to the user requirements.
Continuously optimizing AI models with deep learning technology.
Optimize services for specific scenarios and analytics accuracy through enhancement training services.

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We Deliver Value for You, **AI** Touch Cloud

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