路口車流統計分析
INTERSECTION TRAFFIC FLOW STATISTICS ANALYSIS

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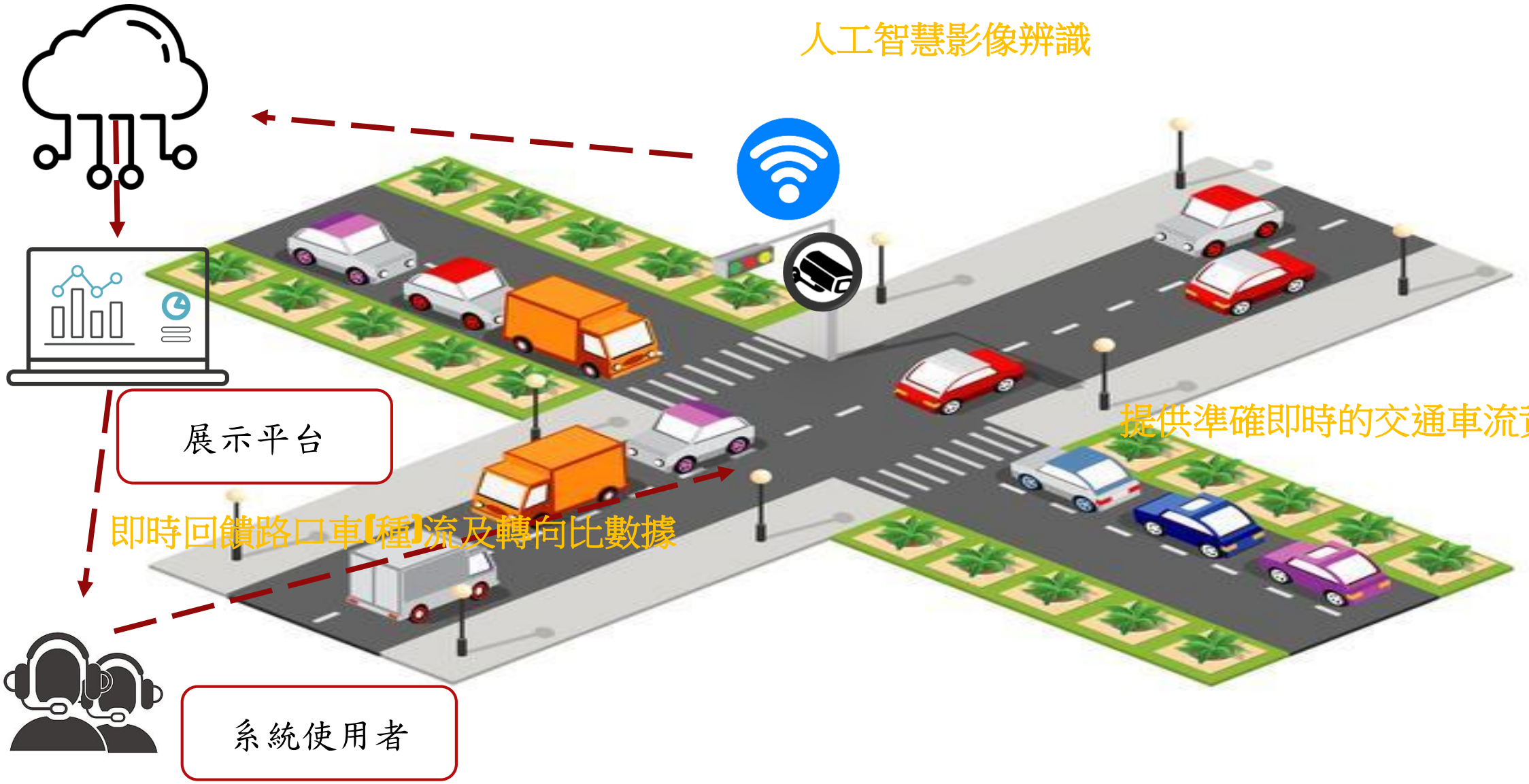
SMART DEVELOPMENT CENTER (RESEARCH, DEVELOPMENT AND EVALUATION COMMISSION), BUREAU OF TRANSPORTATION/SMART TRANSPORTATION

人工智慧影像辨識



展示平台

即時回饋路口車[種]流及轉向比數據

提供準確即時的交通車流資訊

系統使用者

- 以本市東區「東門路-自由路口」及中西區「府前路-南門路口」為驗證場域，沿用既有路口攝影鏡頭，導入人工智慧影像辨識分析技術，以相對較低的成本，賦予舊設備具備辨識能力，實證結果整體辨識準確率超過90%，藉此即時回饋路口車(種)流及轉向比數據，作為推動智慧交通的基礎設施之一。經由影像串流接取，此方案可快速複製至其他路口或路段，提供準確即時的交通車流資訊。

- USING DONGMEN RD.-ZIYOU RD. INTERSECTION IN THE EAST DISTRICT AND FUCHIANG RD.-NANMEN RD. INTERSECTION IN THE WEST CENTRAL DISTRICT AS VERIFICATION FIELDS, THE PROJECT INCORPORATED AI IMAGE RECOGNITION AND ANALYSIS TECHNOLOGY INTO EXISTING INTERSECTION CCTVS. THIS IS A RELATIVELY LOW-COST METHOD FOR ADDING RECOGNITION FUNCTIONS TO OLD EQUIPMENT. VERIFICATION RESULTS SHOW THE RECOGNITION ACCURACY RATE EXCEEDS 90%, PROVING THAT THIS SOLUTION CAN BE CONSIDERED AS AN OPTION FOR SMART TRANSPORTATION INFRASTRUCTURE AS IT CAN FEED BACK THE LATEST INTERSECTION TRAFFIC FLOW, VEHICLE TYPE FLOW, AND STEERING RATIO DATA. THROUGH IMAGE STREAMING AND CAPTURING, THIS SOLUTION CAN BE QUICKLY REPLICATED TO OTHER INTERSECTIONS OR ROAD SECTIONS TO PROVIDE ACCURATE AND REAL-TIME TRAFFIC FLOW INFORMATION.

路口端

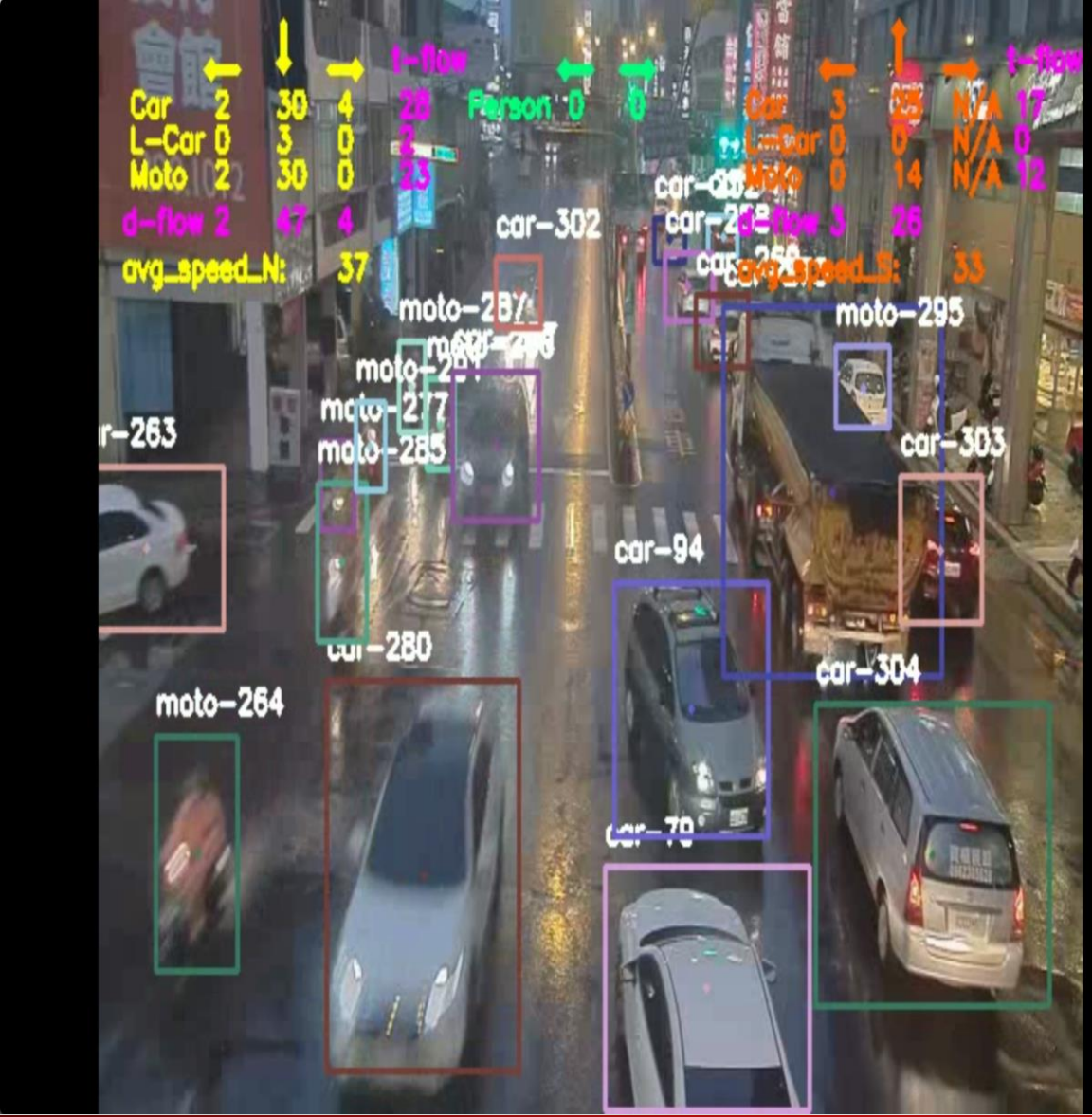
路口攝影機

機房端

人工智慧
分析偵測主機

使用者端

應用展示平台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Moto 2 30 0 23
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car-304
moto-285


car-63
car-94
car-101