



TJMC台灣傑特斯

非紅供應鏈產品系列

Non-Red Supply Chain Product Line

TJMC

AI視覺辨識模組

項目	說明
AI/演算法	同時辨識最多 50 個目標；支援軌跡預測與特徵記憶；支援近距離黏著式追蹤；最小追蹤像素 16×16；動態目標最高 60 km/h
偵測/辨識距離	車輛 1200 m、行人 500 m
計算力 (TOPS)	6 TOPS
影像輸入 (可見光)	1920×1080 @ 60 Hz；低照度靈敏度 9650 mV/lux·s
熱成像	幀率為384*288@25Hz
鏡頭/視角	焦距 4 mm；FOV 72°(H) × 45°(V) (可見光)
感光元件	1/2.6" (可見光)
供電	9–16 V
體積/安裝	主板尺寸 38 × 38 × 26.7 mm；安裝孔距 25.5 × 25.5 mm
協定/相容	CRSF；支援 BetaFlight / APM / PX4
顯示/畫面	子母畫面 (PiP) 支援
目標類型 (預設)	人、車
使用環境	20°C ~ 60°C 之 24/7 目標識別



開發產品參考示意圖

AI VISUAL RECOGNITION MODULE

Items	Spec.
AI/Algorithm	Simultaneous identification of up to 50 targets; support for trajectory prediction and feature memory; support for close-range sticky tracking; minimum tracking pixel size of 16×16; dynamic target speed up to 60 km/h.
Detection/Identification Distance	Vehicles 1200 m, pedestrians 500 m
(TOPS)	6 TOPS
Image input (visible light)	1920×1080 @ 60 Hz ; Low-light sensitivity: 9650 mV/lux·s
Thermal imaging	Frame rate 384*288@25Hz
Lens/Perspective	Focal length 4mm; FOV 72°(H) × 45°(V) (visible light)
Photosensitive element	1/2.6" (Visible light)
Power supply	9–16 V
DIMS/Mounting hole	Motherboard dimensions: 38 × 38 × 26.7 mm; mounting hole spacing: 25.5 × 25.5 mm
Protocol/Compatibility	CRSF ; Support with BetaFlight / APM / PX4
Display/Screen	Picture-in-Picture (PiP) support
Target type (Default)	Human beings and vehicles
Operation Temp.	Target recognition 24/7 at temperatures ranging from 20°C to 60°C



Developing product illustrations