



Wide area multi-target detection

6 lanes horizontally,
160 meters vertically,
128 objects tracking detection



Holographic multi-dimensional perception

Accurately locate vehicle trajectory information,
Multi-section + regional information perception



Multi-sensor fusion Multi-target radar

tracking, video forensics,
Coordinate matching and data fusion



High-precision, all-weather suitability

High-precision all-weather data collection,
Not affected by weather and light

DTAM D19-V



MIMO radar front-end technology

FMCW waveform design

Vehicle **trajectory tracking** algorithm

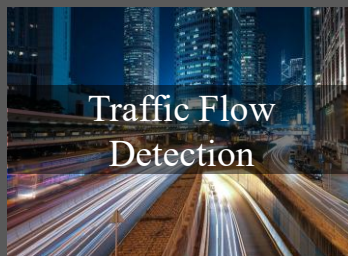
Radar-Video **Fusion Detection** Algorithm

Radar-Video Fusion Traffic Detector

RECOMMENDED FOR:



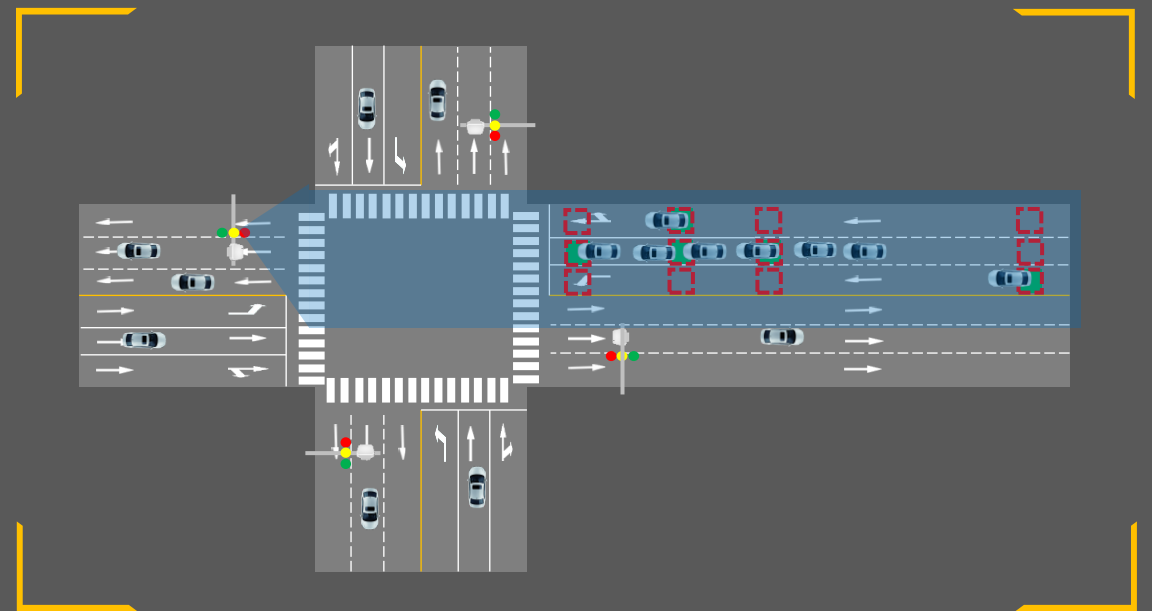
Signal Control



Traffic Flow Detection



Queue Detection



Basic Parameters

Detection range	25m ~ 160m
Range accuracy	0.4m
Coverage	6 lanes
Simultaneous detection	Up to 128 objects
Refresh time	50ms
Interval of velocity	-200km/h ~ 200km/h
Speed accuracy	0.3m/s
Speed Separation	$\leq \pm 0.25\text{m/s}$
Operating frequency	80GHz
Classification	Large vehicles, small vehicles, non-motor vehicles, and pedestrians
Statistical data	Traffic volume, queue length, occupancy status, average speed, etc.

Environmental Parameters

Working temperature	-40°C~+70°C	Humidity	0~95%
Installation height	6 ~ 8m	IP	IP67

Video

Resolution, Frame Rate	2592 x 1944 px, up to 25 fps
Video Codec	H.265, H.264, MJPEG
Sensor	1/2.5 inch CMOS
Lens	12mm fixed focus lens
Video FOV	$\pm 13^\circ$

General

Power supply	24V DC
Port	RJ45
Power consumption	$\leq 12\text{ W}$
MTBF	100000h
Weight and dimension	1600g, 255*229*151mm
Material	PC

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