

HUQYS



Wide area multi-target detection

10 lanes horizontally,
350 meters vertically,
256 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 D39-V

350m Wide-Area Detection Radar



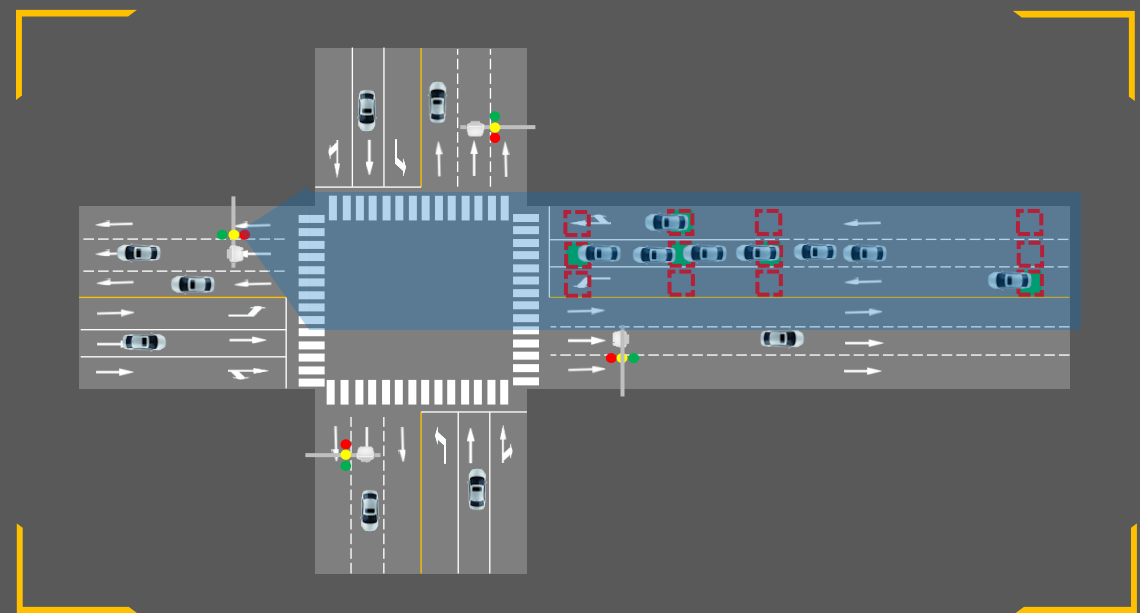
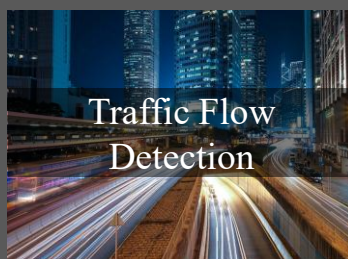
MIMO radar front-end technology

FMCW waveform design

Vehicle **trajectory tracking** algorithm

Radar-Video **Fusion Detection** Algorithm

RECOMMENDED FOR:



Basic Parameters

| | |
|------------------------|---|
| Detection range | 25m ~ 350m |
| Range accuracy | 0.4m |
| Coverage | 10 lanes |
| Simultaneous detection | Up to 256 objects |
| Refresh time | 50ms |
| Interval of velocity | -200km/h ~ 200km/h |
| Speed accuracy | 0.1m/s |
| Speed Separation | $\leq \pm 0.25\text{m/s}$ |
| Operating frequency | 77GHz |
| 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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