

Multi-Lane Inductive Radar Detector DTAM D09-V

Intersection Traffic Detection

HURYS



MIMO radar
front-end technology



FMCW waveform design



Vehicle trajectory
tracking algorithm



Radar-Video Fusion
Detection Algorithm



FUNCTIONS



Vehicle Presence

Passage Date



Traffic Statistics

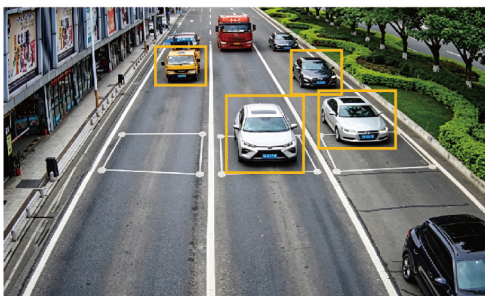
Volume
Average Speed
Occupancy



Detection accuracy

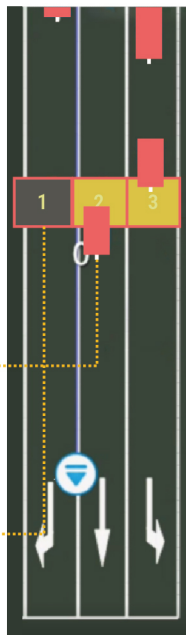
Cross-section Presence Detection Accuracy
Traffic Flow Detection Accuracy

DETECTION PERFORMANCE

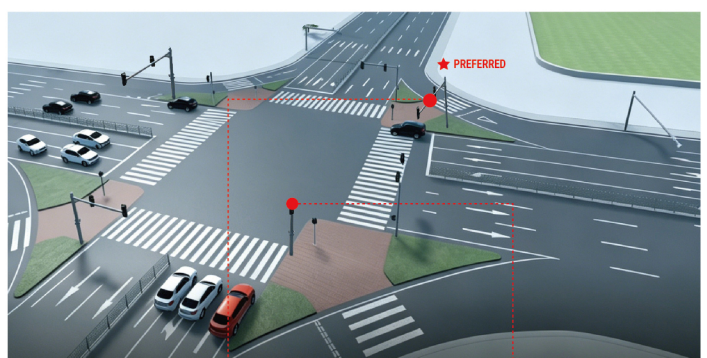


Passage Date

Virtual Loop
(Vehicle Presence Output)

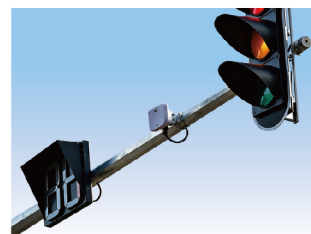


EQUIPMENT DEPLOYMENT



Mast Arm Signal Pole

Signal Pole



TECHNICAL SPECIFICATIONS

Basic Parameters

Detection range	50m
Coverage	3 lanes in one direction
Detection speed	– 80km/h ~ 80km/h
Simultaneous Detection	32 objects
Operating frequency	60 GHz
Data transmission method	TCP/IP、HTTP、 RTSP、FTP

Video

Resolution	2592 * 1944 px
Frame Rate	up to 25 fps
Sensor	1/2.5 inch CMOS
Video Codec	H.265 , H.264 , MJPEG
Lens	6mm fixed focus lens
Video FOV	± 27°

Environmental Parameters

Working temperature	–40℃ ~ +70℃
Installation height	6 ~ 8m
Humidity	0 ~ 95%
IP rating	IP67

General

Power supply	24V DC	Port	RJ45
Power consumption	≤ 7 W	Dimension (L×W×H)	232*187*105mm
Weight	1020 g	Material	Polycarbonate (PC)

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