

Detection System Specifications

NoTraffic's Plug & Play IoT Sensor provides unparalleled vehicle detection and classification accuracy for all road users. The Sensor leverages computer vision and radar, coupled with AI algorithm and edge processing, never before applied to traffic management.

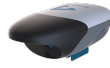
NoTraffic Plug & Play IoT Sensor



NoTraffic Apps Engine

▶ Presence Detection:	Up to 99.9% stop bar accuracy
▶ Advanced Detection:	Up to 600ft (180m)
▶ Sensory Input Types:	Video and Radar
▶ Classification:	<ul style="list-style-type: none"> ▶ High accuracy vehicle and vulnerable roadway user detection and classification in all conditions including pedestrians, bicyclists & scooters ▶ Standard FHWA defined vehicle classifications with agency customizable classification categories
▶ Installation Requirements:	<ul style="list-style-type: none"> ▶ Simple Plug & Play installation – only requires power and mounting ▶ Secure wireless connection to in-cabinet interface
▶ Processing:	Sensor-based edge processing with high-powered AI GPU
▶ Monitoring and Management Tools:	Cloud-based monitoring and management dashboard and communications included
▶ NoTraffic Monitoring and Customer Support:	24/7/365 NOC monitoring service included to ensure detection reliability
▶ NoTraffic Ecosystem:	Advanced products and solutions are available as software downloads
▶ Hardware Replacement:	5-year Hardware replacement
▶ System Upgrades:	Over-the-Air (OTA) software updates

Technical Specifications



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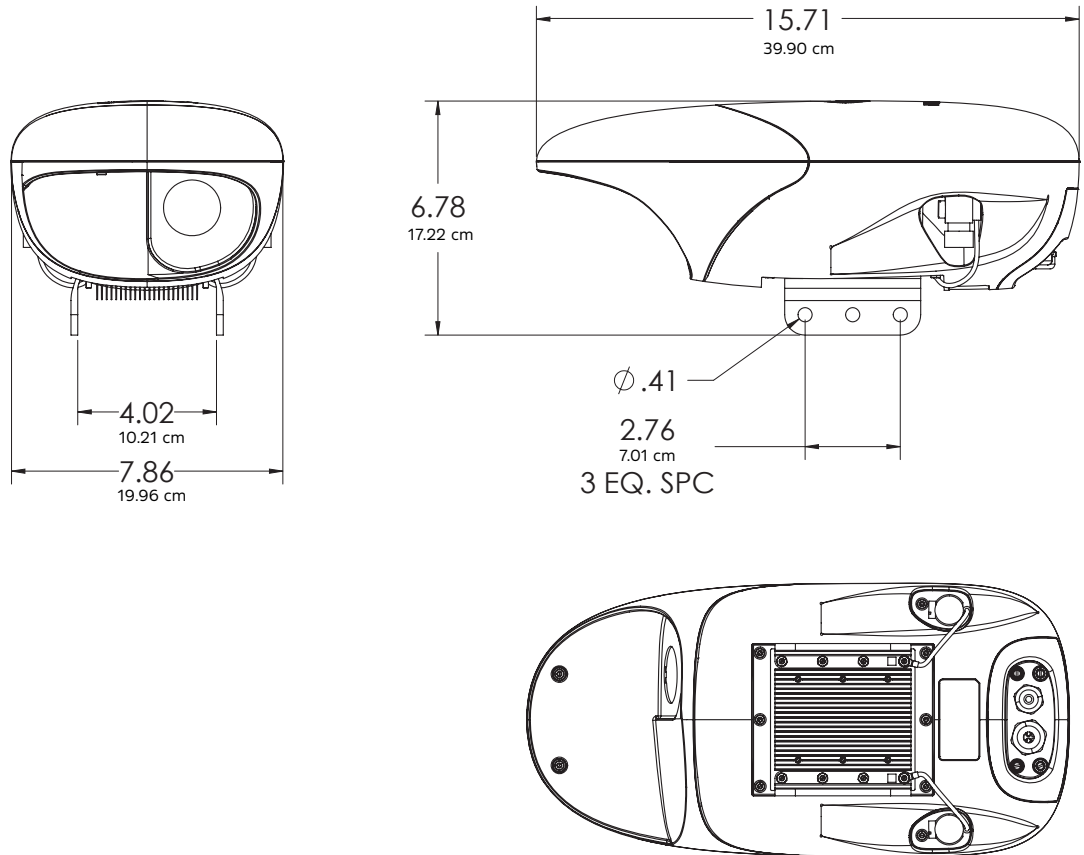


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Temperature and Humidity	-30°F to +165°F, up to 95 % RH per NEMA TS2 (-34.4 degree celsius + 73.8 degree celsius)	
Ingress Protection	IP67 per IEC-60529	IP20 per IEC-60529
Shock & Vibration	Shock: 10g Handling, 30g Crash safety Vibration: 1.5GRMS operational, 5g Endurance per IEC-60068-2, NEMA TS-2	
Qualification Environmental test	Salt Fog, Freeze/Thaw, Fogging per MIL-STD-810G	
Weight	6 lb. 13 oz., 7 lb. 15 oz w/DSRC & C-V2X Roadside Unit (3.1kg, 7kg, respectively)	5 lb. 8 oz. (2.5kg)
Dimensions	L 15.71 in. x W 7.86 in. x H 6.78 in L 39.09 cm. x W 19.96 cm. x H 17.22 cm	L 17.56 in. x W 9.28 in. x H 3.43 in L 44.60 cm. x W 23.57 cm. x H 8.71 cm.
Detector I/O		NTCIP, SDLC, NEMA TS-1 & TS-2, ABC, or Caltrans C1/C11
Video	Supports 1080p@30FPS MJPEG stream	
Regulatory		FCC
Radar	60GHz Operating Frequency (V Band)	
Cloud Communications		4G/5G
Wi-Fi	Wi-Fi – IEEE 802.11a/n/ac 5GHz	
Bluetooth		Bluetooth v4.2 +EDR, Class 1, 2 and 3
CAV Roadside Unit	DSRC - SAE J2735, USDOT RSU v. 4.1 + C-V2X	
Power	90V-264 VAC 50/60Hz	
Max Consumption	40W	
Mounting	Pelco Astro-Brac, other mounting adapters available on request	NEMA TS-2 style, Caltrans 332, Shelf mounting, rack mounting available on request

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