

# Sensor Datasheet



The NoTraffic™ Sensor fuses video and radar with AI to deliver precise, real-time detection and classification of everything from pedestrians to trucks. With weather-penetrating technology, it accurately monitors and counts traffic in all conditions. Its single object-based output provides detailed location, speed, lane, and classification data.

## Typical Configuration

**Included per Intersection** 1x Type 2 Sensor with built-in C-V2X RSU \*  
3x Type 1 Sensors (one per addtl. approach)

## Communications

**Connectivity** Type 1: Ethernet, Wi-Fi  
Type 2: Ethernet, Wi-Fi, C-V2X 5.9 GHz Safety Band

## Detection

**Video** 1080p @ 10 FPS, H.264 (AVC)  
**Radar** 60 GHz (V Band)  
**Classifications** Pedestrians, bicycles, motorcycles, cars, buses, trucks, and custom classifications  
**All-weather** Clear, fog, rain, snow, sun glare, night, etc.  
**Accuracy** Detection 99.5%  
Counts 95-105%  
**Range** 720 ft (220 m)

## Environmental

**Temperature & Humidity** -30 F to 165 F @ up to 95% RH per NEMA TS 2 (-34 C to 74 C)  
**Ingress Protection** IP67, Salt Fog per MIL-STD 810  
**Shock & Vibration** 1.5 Grms operational, 5 G Endurance per IEC-60068-2, NEMA TS 2 Transportation Testing per ISTA2

## Power

**Supply** 89-264 VAC @ 50/60Hz  
**Consumption** 15 W typical, 18 W maximum

## Physical Dimensions

**Size** 15-3/4" x 7-7/8" x 6-3/4"  
(L x W x H) (400 mm x 200 mm x 190 mm)  
**Weight** Type 1: 6 lb 13 oz (3.1 kg)  
Type 2: 7 lb 15 oz (3.6 kg)

## Certifications & Regulation

FCC Part 15

## Mounting

**Brackets** 4" Saddle  
**Location** Mast arms or span wire strain poles  
Height: 18 - 33 ft (5.5 - 10 m)

\* V2X activation subscription required - available through the Mobility Store