FLEETVU

"GAP" Blind-Spot & Lane Change Detection System

77GHz & Ultra-Sonic

C93-US4

patent pending: 64/006,101 - 64/005,757 - 64/013,325

Eliminate Blind Spots and Lane-Change collisions. Bigger vehicles mean bigger risks. Traditional rear-mounted blind spot detection systems fall short in protecting your entire vehicle on the road.

FleetVu has changed the game being the "Exclusive Provider" of the Industries ONLY "Dual-layer" Blind-spot and Lane-change sensor protection system. 77GHz Microwave radar with advanced sensors are strategically positioned to protect the sides of your vehicle. UltraSonic sensors mounted around the fender wells protect the front corner Blind-spots. "Dual-layer" Protection.

The 77GHz Sensors feature expansive 98FT detection range and sensing zone with 45FT Warning Zone ensuring that any moving obstacle is identified with more than enough time to avoid it. 4-UltraSonic Sensors Protect Front Blind-spots, to ensure that any moving object whether it be a car, cyclist or pedestrian are identified via Trigger engaged Visual and Audible ALERTS.

Ensure Drivers Safety and their Peace of Mind by making them aware of their surroundings. With FleetVu your fleet is in good hands.

Unparalleled Detection Range

Up to 98* Feet Detection Range with 77Hz Radar Sensors:
45FT Warning Zone, and up to 98FT for fast approaching vehicle identification.

Visual + Aural Alerts

Warning button in A-pillar lights up and speaker sets off an alert when an object or vehicle is detected.

Robust Build

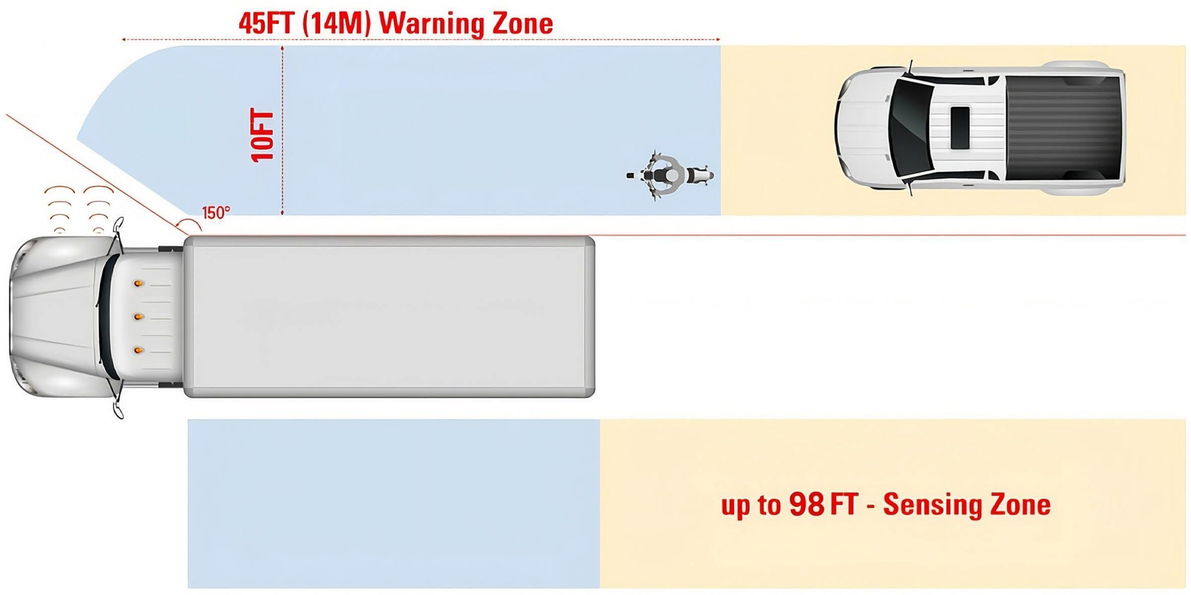
These commercial-grade sensors are waterproof with an IP67 rating.

Easy Installation

The C93US4 is easily surface-mounted externally to the side of your vehicle. UltraSonic-installed around fender well.

DOT upgrades

Compliant with SAE J1455 (Electronic design for heavy-duty vehicles) and ISO 17387:2008 (Lane change decision aid systems performance requirements).



SENSOR SPECIFICATION

Detection Target Type	accelerating/decelerating vehicles, stationary vehicles (while moving at speed)
77GHz-Microwave:	
Working Mode	FMCW (CS + MIMO)
Operating Frequency Range	76GHz ~ 77GHz
EIRP (Effective Radiated Power)	98FT (30m)
Distance Detection Range	up to 230FT (70m) 45FT Warning Distance
Horizontal Detection Angle	± 60° (-6dB)
Vertical Detection Angle	± 20° (-6dB)
Distance Measurement Accuracy	± 4 inch (0.1m)
Relative Speed Detection Range	up to 125 mph (-125mph~+125mph)
Relative Speed Measurement Accuracy	± 0.010 M/h (0.15km/h)
Relative Velocity Resolution	0.30 M/h (0.5km/h)
Angle Measurement Accuracy	± 2°
Angular Resolution	4°
Maximum Number Of Target Tracks	8
Data Output Refresh Rate	≤ 50ms
Rated Voltage	12 - 36V
Power Consumption	3w
Working Temperature	-40 ~ +85°C
Storage Temperature	-40 ~ +90°C
Weight	67.37oz (1.91kg)
Water Resistance	IP67

UltraSonic Specs:

Detection Range	Up to 2.0 meters
Working Frequency	40 KHz
Horizontal Detection Angle	± 30°
Vertical Detection Angle	± 30°
Distance Measurement Accuracy	0.1 meter

General Specifications:

Operating Voltage	9 – 35V
Power Consumption	≤ 6W
Operating Temperature	–20°C to +70°C
Storage Temperature	–30°C to +80°C
Total Weight	110.055 oz (3.12 kg)
Waterproof Rating	IP67

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