



# PREVIEW SIDE DEFENDER II®

## TECHNICAL SPECIFICATIONS SHEET



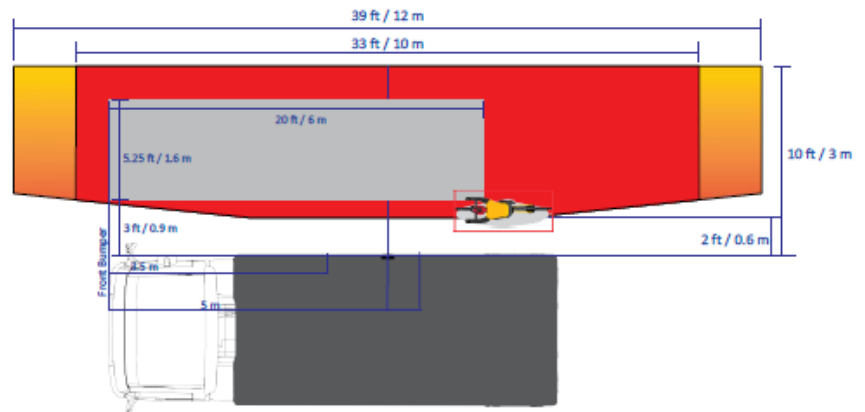
Designed to meet IP69K requirements

## MEASURING PERFORMANCE

RANGE*	3M x 12M
RANGE ACCURACY	± 0.3M
AZIMUTH F.O.V.	±75 degrees (10 dBsm target)
ELEVATION F.O.V.	±10 degrees (10 dBsm target)
ANGLE ACCURACY	±2° @ ±10° FOV, ±5° @ ±30° FOV, ±10° @ ±75° FOV
VELOCITY RANGE	±30 m/sec (± 69 mph)
VELOCITY ACCURACY	0.2 meter/sec (0.5 mph)
TARGET RESOLUTION	1.4m for static targets, approaching 0.3 meters for dynamic targets
DATA UPDATE RATE	120ms (A CAN bus target message is provided in every cycle.)
TARGET DETECTION TIME	300 ms
POWER ON TO ACTIVE	300 ms

## SIDE DEFENDER II DETECTION ZONE

\*Dependent on target and condition



## COMMUNICATIONS INTERFACE

J1939 CAN BUS	250Kbits/sec, not terminated
AUXILIARY OUTPUT	Switch to ground, sink up to 1A, over current protected

## OPERATING CONDITIONS

FREQUENCY	24.00–24.25 GHz
POWER SUPPLY	9–33 VDC,
CURRENT	<0.5A
OPERATING TEMP.	-40°C to +85°C
STORAGE TEMP.	-55°C to +105°C
SHOCK	50G
VIBRATION	25G, random, all three axis

## PHYSICAL CHARACTERISTICS

HOUSING MATERIAL	Polycarbonate radome
WEIGHT	1.0 lb (0.45 kg)
DIMENSIONS	4.90" W x 4.06" H x 1.28" D (12.4 x 10.3 x 3.25 cm)
MOUNTING	Unit supplied with mounting hardware and can be mounted directly on the equipment or by using an optional mounting bracket.



PreView Side Defender II

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