

PreView Sentry®X

Measuring Performance

Range	0 - 100 ft / 0 - 30 m (10 dBsm target) - Depending on configured detection
Range Accuracy	±1 ft (0.3 m)
Azimuth FOV	±45° (10 dBsm target)
Elevation FOV	±10° (10 dBsm target)
Velocity Range	±20 mph (±9 m/sec)
Angle Accuracy	±2° at ±10° FOV ±5° at ±30°FOV ±10° at ±40° FOV
Target Resolution	4.5 ft (1.4 m) for static targets approaching 1 ft (0.3 m) for dynamic targets

Communication Interface

J1939 CAN Bus	250 or 500 Kbits/second
Alarm Output	Switch to ground sink up to 1A Over current protected Inactive State - High Impedance
Data Update Rate	80 ms

Operating Modes

Detection Pattern	Configurable set based on model
Target Detection Time	240 ms
Power On to Active	240 ms

Operating Conditions

Frequency	24.05 - 24.25 GHz
Power Supply	9 - 33 VDC Reverse polarity and over-voltage protected
Current	<0.5 A
Operating Temp.	-40°C to +85°C
Storage Temp.	-55°C to +105°C
Shock	50G
Vibration	25G random all three axis

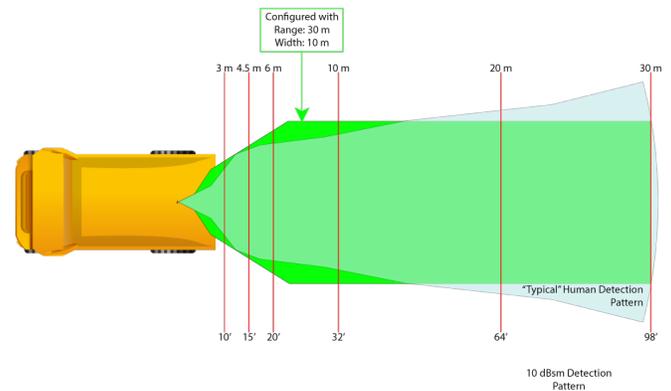
Physical Characteristics

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 cm W x 10.3 cm H x 3.25 cm D)
Mounting	Unit supplied with mounting hardware and can be mounted directly on equipment or by using an optional mounting bracket



*Designed to meet IP69K requirements

Field of View



Designed, Engineered, and Manufactured by

