



Remote Control Range Radar

Proven TSPI Radars with full Remote or Local Control capabilities. Information Assurance friendly enabled by PC based disk-less architecture, which ensures no data on site when system is powered off. High leveraging of COTS components and non-proprietary software and hardware supports long term sustainability and highly reliable operations.

General Specifications

Description	Specification	Description	Specification
Tunable Frequency Range	C-Band 5.4 – 5.9 GHz X-Band 8.9 – 9.5 GHz	Dynamic Range Enhancement	20dB TX Attenuation & 20/40 dB RX Attenuation
Transmitter Peak Power	C-Band – 1 Megawatt X-Band – 250 KW	Tracking	Skin or Beacon Tracking
Pulse Width	0.25, 0.5 & 1.0 μ sec (operator selectable)	Coherent on Receive Receiver	Clutter cancellation on slow or fixed targets
Pulse Repetition Frequency	160, 320, 640 & 1280 (operator selectable)	Pedestal Velocity	Up to 20 degrees/sec
Transmitter Duty Cycle	001 max	Pedestal Acceleration	Up to 20 degrees/sec/sec
		Transmitter Beacon Code	2 pulses per PRT

Options

Tracking Range Performance (1 sq meter target @ 12 dB S/N)

C-Band Performance		X-Band Performance		Options	
8-Ft Antenna	140 km (75 nm)	8-Ft Antenna	120 km (65 nm)		C-Band or X-Band
10-Ft Antenna	175 km (94 nm)	10-Ft Antenna	150 km (81 nm)		8/10/12 or 16ft Antennas (16ft C-Band only)
12-Ft Antenna	210 km (113 nm)	12-Ft Antenna	180 km (97 nm)		0.2 MIL to 1.0 MIL TSPI Accuracy
16-Ft Antenna	280 km (150 nm)				Fixed or Mobile models
				Visible or IR Optical Sensors	
				Optical Fiber or RF Remote Control	