

Kestrel TSCM™ Professional Software

Signal Intelligence Support System (SISS)™

The KestrelPod I™ Ultra Wideband Surveillance Antenna is utilized for infrastructure deployment and near-field RF monitoring and collection requirements. The KestrelPod I™ includes a low profile Radome design that discretely blends in well for most temporary, semi-permanent and permanent (near-field) deployment scenarios and is wall and ceiling mountable. The KestrelPod I™ is ideal for sensor-based platforms that are used in technical security applications such as real-time spectrum monitoring, emitter localization, signal analysis, spectrum surveillance, short and long-term RF collection, TSCM comparative RF analysis and real-time geo-location heat mapping. Multiple Receiver Operation (MRO)™ is fully supported when utilized with the Kestrel TSCM® Professional Software. Installation and mounting is simplified and the KestrelPod I™ is easily installed in suspended dropped ceiling systems or fixed ceiling structures, and appears to be a typical WLAN antenna. The KestrelPod I™ is terminated with a pigtail coaxial cable and bulkhead N (F) RF connector. Optional RF adapters and shielded low loss cables are also available. The KestrelPod I™ is a low cost solution for tactical deployment in virtually any type of corporate or government facility or environment. The KestrelPod I™ is a custom engineered wideband (near-field sensor) design and developed by our Technical Research and Standards Group (TRSG)™. When a number of KestrelPod I™ antennas are utilized in combination with the Kestrel TSCM® Professional Software and our Multiple Receiver Operation (MRO) feature; the ability to collect and compare real-time RF spectrum and waterfall trace data is fully supported, utilizing our Location Differential Signal Analysis (LDSA)™, Receiver Differential Signal Analysis (RDSA)™ and our powerful geo-location heat mapping feature. ↗



"Introducing the KestrelPod I™ (UWB-SA) Near-Field Quick Deployment Ceiling Mount Antenna..."

"Technical Surveillance Countermeasures has never been this easy..."



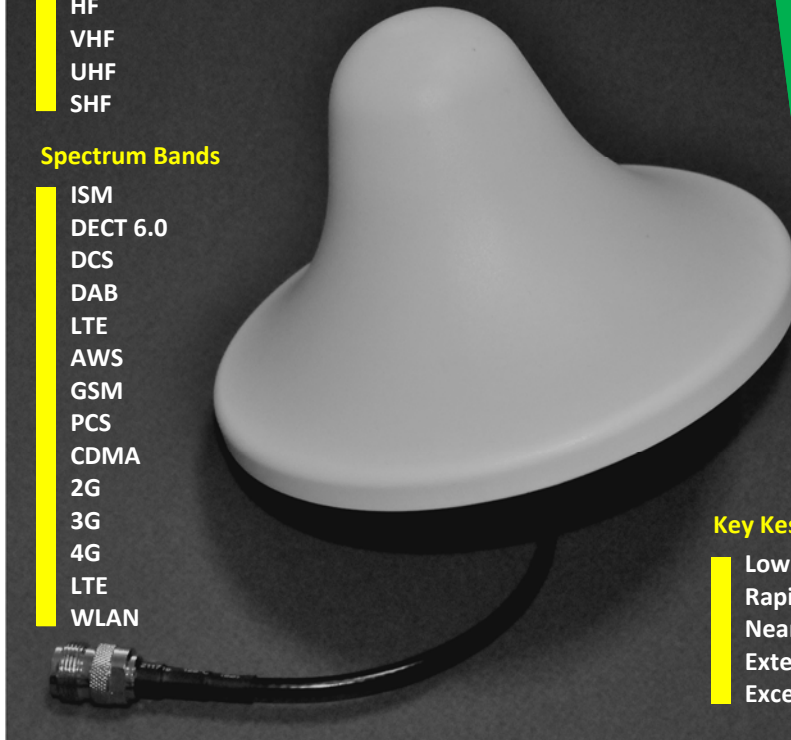
The KestrelPod I™ Ultra Wideband Surveillance Antenna is a custom engineered (near-field) design, low profile, passive isotropic, Omni-Directional ceiling mount Radome antenna with a (5 dBi) gain.

Spectrum Range (100 kHz - 12 GHz)

LF
MF
HF
VHF
UHF
SHF

Spectrum Bands

ISM
DECT 6.0
DCS
DAB
LTE
AWS
GSM
PCS
CDMA
2G
3G
4G
LTE
WLAN



Key KestrelPod™ Features

Low Profile Radome
Rapid Field Deployment
Near-Field Design
Extended Frequency Range
Excellent Gain (5 dBi)



Key Features

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The KestrelPod I™ Ultra Wideband Surveillance Antenna is an exquisitely engineered, TSCM specific Radome near-field surveillance antenna with a small deployment foot print that meets exacting technical specifications for a wide range of (near-field) Remote Spectrum Surveillance and Monitoring (RSSM)™ assignments from Low Frequency (LF) to Super High Frequency (SHF). The KestrelPod I™ significantly improves the Probability of Detection (POD) of potentially hostile localized signal events and provides an excellent surveillance platform for extended ambient Spectrum Baseline Logging (SBL)™ when utilized with the Kestrel TSCM® Professional Software | Signal Intelligence Support System (SISS)™ based on a modern moving target threat model (TSB 2000 (Technical) Standard™. ↗

"Innovation is Simply the Beginning..."

Specification Overview

Model: (UWB-SA) KestrelPod I™ Antenna
Application: Spectrum Surveillance and Monitoring
Near-Field Spectrum Range: 100 kHz – 12 GHz
Isotropic Gain: Nominal (5 dBi)
Type: (360 degree) Omni-Directional Pattern
Polarization: Vertical
Front / Back Ratio: Nominal (15 dB)
Impedance: 50 Ω
Connector: Bulkhead N (F)
Mechanical: 165 mm x 90 mm
Weight: 0.3 kg

Specifications are Subject to Change Without Notice...

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