

Kestrel TSCM™ Professional Software

Signal Intelligence Support System (SISS)™

Introducing the KestrelPod™ Ultra Wideband Surveillance Antenna (UWB-SA) for remote deployment and RF collection. The KestrelPod™ includes a low profile radome design that discretely blends in well for most temporary, semi-permanent and permanent (near-field) deployment scenarios. The KestrelPod™ is an ideal collection sensor platform for RF based technical security applications such as real-time spectrum monitoring, localized signal analysis, spectrum surveillance, short and long-term RF collection; as well as comparative RF analysis. Multiple Receiver Operation (MRO)™ is fully supported when utilized with the Kestrel TSCM™ Professional Software. Installation and mounting is simplified and the KestrelPod™ is easily installed with dropped ceiling tiles or fixed drywall ceiling structures and appears to be a typical WLAN antenna. The KestrelPod™ Ultra Wideband Surveillance Antenna is terminated with a pigtail coaxial cable and bulkhead N (F) RF connector. Optional (custom manufactured) RF adapters and low loss cables are also available. The KestrelPod™ is a low cost solution for tactical deployment in any type of business or corporate environment. The KestrelPod™ is a custom engineered wideband (near-field) design developed by our Technical Research and Standards Group (TRSG). When a number of KestrelPod™ antennas are utilized in combination with the Kestrel TSCM™ Professional Software and our Multiple Receiver Operation (MRO) mode; the ability to collect and compare real-time RF spectrum and waterfall trace data is fully supported utilizing our Differential Signal Analysis (DSA)™, Live View Analysis (LVA)™ and Kestrel Graphical Mapping (KGM)™. The ability to capture remotely collected spectrum data in real-time across multiple search receivers or spectrum analyzers is fully supported. ✎



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

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



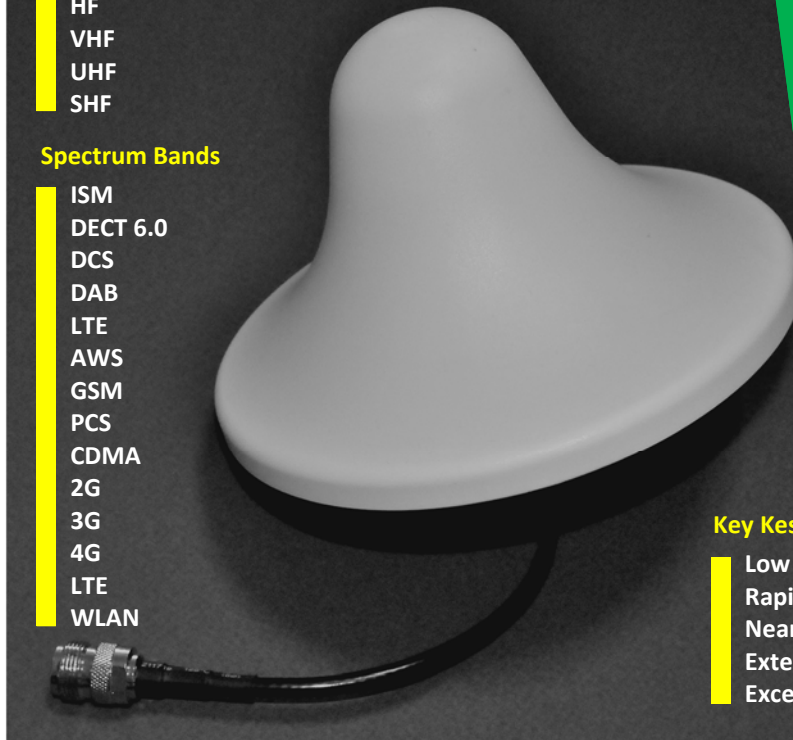
The KestrelPod™ Ultra Wideband Surveillance Antenna is a custom engineered (near-field) design, low profile, passive isotropic, Omni-Directional ceiling mount Radome antenna with a (5 dBi) gain.

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

The KestrelPod™ Ultra Wideband Surveillance Antenna (Model: UWB-SA) 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) spectrum surveillance and continuous spectrum monitoring assignments from Low Frequency (LF) to Super High Frequency (SHF). The KestrelPod™ significantly improves the Probability of Detection (POD) of potentially hostile signal events and is an excellent surveillance platform for extended ambient spectrum Baseline Logging (SBL)™ when utilized with the Kestrel TSCM™ Professional Software - Signal Intelligence Support System (SISS)™ and the Kestrel Defined Monitor (KDM)™ concept. ✎

"Innovation is Simply the Beginning..."

Specification Overview

Model: (UWB-SA) KestrelPod™ 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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