

Kestrel TSCM® Professional Software

Signal Intelligence Support System (SISS)™

The KestrelPod III (Log-Periodic)™ is an ideal low cost solution under the powerful Kestrel® brand, and is used for tactical deployment in virtually any type of Radio Frequency (RF) sweep environment, at all known and developing operational threat levels within the private or public sector security apparatus. The KestrelPod III (Log Periodic)™ is a Canadian manufactured product, selected as part of a complete antenna system, with an innovative proprietary custom engineered, combination pistol grip and table top tripod. The KestrelPod III (Log Periodic)™ antenna is a decidedly single antenna solution for both primary detection, collection, analysis and signal localization across the typical Technical Surveillance Countermeasures (TSCM) operational range in a modern moving target threat model. The KestrelPod III (Log Periodic)™ antenna kit is the result of significant Research and Deployment (R&D) efforts and significant testing and qualification standards by our Technical Research and Standards Group (TRSG)™.

Introducing the Kestrel Log-Periodic, Dual Polarization Wideband (High Gain) Directional Antenna with a unique custom engineered, combination Pistol Grip and Portable Tripod Mount, for Quick Field Deployment.

Technical Surveillance Countermeasures (TSCM) has Never Been this Easy!



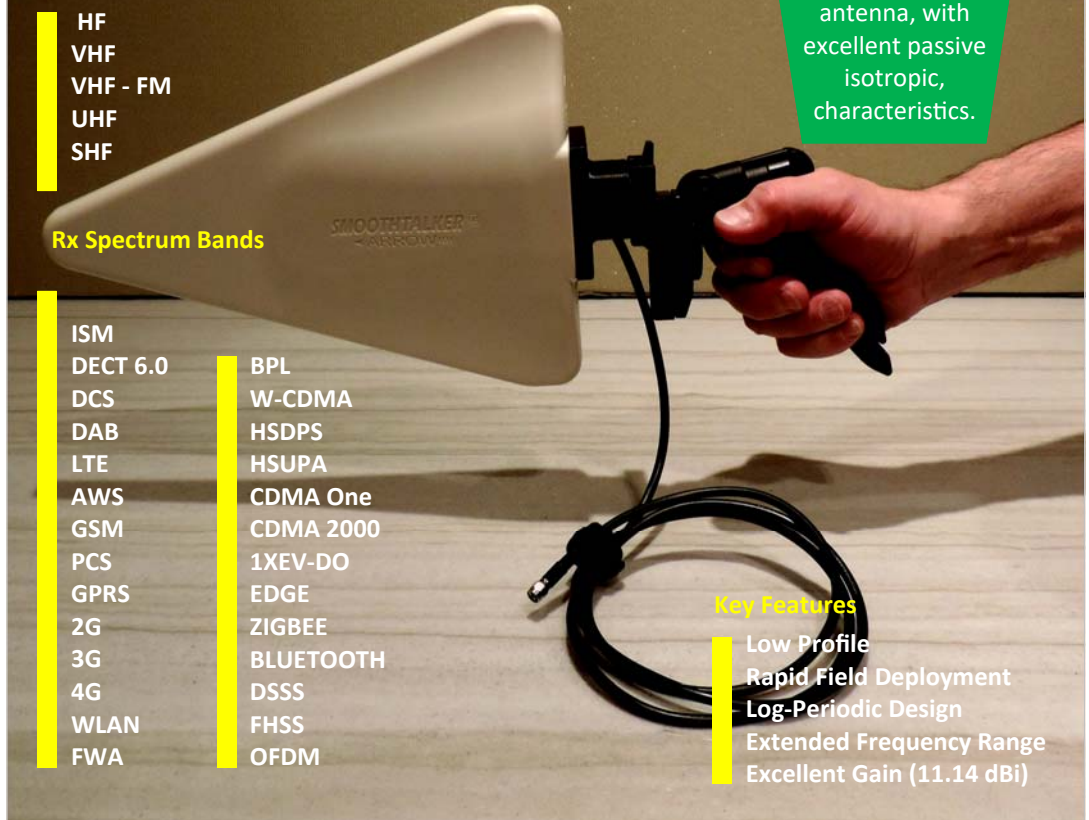
The KestrelPod III (Log Periodic) is a Canadian manufactured antenna, with excellent passive isotropic, characteristics.

Design (680 MHz - 6 GHz) Vs Near Field (10 MHz - 12 GHz) **

HF
VHF
VHF - FM
UHF
SHF

Rx Spectrum Bands

ISM	BPL
DECT 6.0	W-CDMA
DCS	HSDPS
DAB	HSUPA
LTE	CDMA One
AWS	CDMA 2000
GSM	1XEV-DO
PCS	EDGE
GPRS	ZIGBEE
2G	BLUETOOTH
3G	DSSS
4G	FHSS
WLAN	OFDM
FWA	



Key Features

- Low Profile
- Rapid Field Deployment
- Log-Periodic Design
- Extended Frequency Range
- Excellent Gain (11.14 dBi)



Key Features

20200907v1-07

** The Kestrel Log Periodic (KLP)™ offers an exceptional spectrum (design) range of (680 MHz to 6 GHz), which translates into a real-world (Rx only), Near-Field TSCM operational capability to well below 10 MHz, and greater than 12 GHz, making it ideal for indoor Direction-Finding (DF) applications, by minimizing the complexities of RF reflections and the effects of multi-path reception anomalies associated with strong near-field signals. A key feature of the KestrelPod III antenna is out innovative, custom engineered and manufactured, quick connect pistol grip and tripod configuration that supports the antenna as both a tabletop collection antenna, and a comfortable exquisitely engineered, light weight component of a powerful Signal Intelligence Support System (SISS)™.

"Innovation is Simply the Beginning..."

Specification Overview

- Model:** KestrelPod III (Log Periodic)™ Antenna
- Application:** RF Collection and Signal Localization
- Frequency Range (Far-Field):** 680 MHz to 6 GHz
- Frequency Range (Near-Field TSCM):** 10 MHz to 12 GHz
- Isotropic Gain:** Nominal (11.14 dBi)
- Type:** Log-Periodic (Directional)
- Polarization:** Vertical and Horizontal
- Front / Back Ratio:** Nominal (19 dB)
- Impedance:** 50 Ω
- Connector:** SMA (M)
- Mechanical:** 295 mm x 210 mm x 55 mm
- Weight:** 0.4 kg
- Cable:** Quad Shield Low Loss | SMA (M) Connector

Specifications are Subject to Change Without Notice...



"The KestrelPrey III™ and Kestrel Log Periodic (KLP)™ antenna minimizes the requirement for a separate broadband detector"

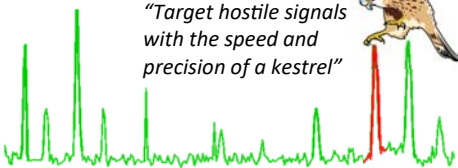
"Target hostile signals with the speed and precision of a kestrel!"



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KestrelPod III (Log-Periodic)™ Dual Polarized Passive Directional Antenna

Kestrel TSCM® Professional Software

Signal Intelligence Support System (SISS)™

The Kestrel TSCM® Professional Software is a leading, highly versatile and scalable Software Defined Radio (SDR), TSCM specific and operator centric application. The Kestrel TSCM® Professional Software is a 100% Canadian engineered and developed software application that is ideal for professional Technical Surveillance Countermeasures (TSCM) and Remote Spectrum Surveillance and Monitoring (RSSM) applications. Kestrel® is a full featured, low cost, standalone Signal Intelligence Support System (SISS)™ and is an ideal sensor based platform for RF based applications, including the detection, identification, signal analysis, signal localization, and interference analysis, for short and long-term RF collection requirements. Differential Signal Analysis (DSA)™ and Time Differential Signal Analysis (TDSA)™ are powerful comparative analysis tools. The Kestrel® Multiple Receiver Operation (MRO)™ capability is an industry first, permitting the real-time synchronization and hand-off of the spectrum and demodulation process, across any supported receiver or analyzer. When combined with the a portable tablet computer, the technical operator will soon become to appreciate the ability to deploy and powerful primary resource and easily transition to a walk-about RF locator utilizing the familiar TSCM® Professional Software for absolute precision and continuity. The Kestrel® brand, means a lot more than a lower cost of overall ownership, it brings new innovative features and methodology to the technical security market. In a modern moving target threat model, due-diligence can no longer be realized without applying new techniques, and innovative equipment resources based on a new deployment methodology. The importance of operationally significant antennas cannot be understated, as being as important and the Software Defined Radio (SDR) hardware, they are connected. ↗

The KestrelPod III (Log-Periodic)™ Dual Polarized, Passive (Wideband) Directional Antenna was specifically selected for use with the Tactical Geo-Location Workstation as a versatile low cost, technically compatible product that significantly enhances the technical operators ability to capture the ambient RF spectrum environment, in an Omni-Directional, vertically polarized tripod configuration, and quickly and easily transition to a powerful walk-about, highly directional Pistol Grip enabled portable locator, minimizing the requirement for a separate (obsolete) broadband RF detector.



The KestrelPod III™ (Log-Periodic) system, is delivered as a complete rapid deployment kit that is ready to use in any TSCM or RF collection application. The rapid deployment kit includes a the KestrelPod III™ (Log-Periodic) antenna with a fixed, quad shielded RF cable, a quad shielded RF extension cable, custom terminated with a SMA (M) connectors, a pre-installed quick disconnect Pistol Grip and Tripod Configuration, an N (M) to SMA (F) RF adapter, and SMA (F) to SMA (F) RF adapter, Kestrel Vision Antenna (KVA)™, and user manual, all packaged in a travel friendly soft case. ↗

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