COMINT consulting

Κγρτο1000

VHF/UHF -focused Multichannel COMINT - SIGINT

Unequalled Decoding, Collection, Signals and Traffic Analysis

"A COMPLETE SIGINT SUITE WITH ROBUST SIGNALS COLLECTION AND ANALYSIS"
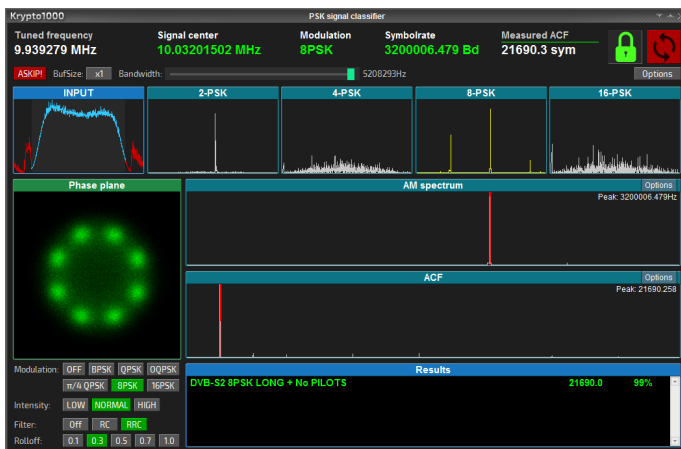

Krypto1000 Inmarsat

The perfect complement to Krypto500, Krypto1000 targets wider signals, whereas Krypto500 handles NB signals in HF.

Krypto1000 is a current and unique collection of demodulators and decoders for wideband signals (greater than 48 kHz wide) typically found from VHF/UHF. It enables even inexperienced signals analysts to quickly and accurately interpret information about a signal of interest.

No other software on the market offers as comprehensive a selection of demodulation, decoding, parsing tools and receiver control and integrates those seamlessly with so many wideband, narrowband and other collection systems.

Krypto1000 showing PSK Classifier

TAILORED ANALYSIS

Krypto1000 offers an intuitive and powerful user interface and beautiful, high-resolution displays to assist operators and analysts with proper collection, tuning and decoding.

COMPLETE SPECTRUM ANALYZER

Numerous detailed, high-resolution displays with full tools, markers, measurement, averaging, peak hold and more.
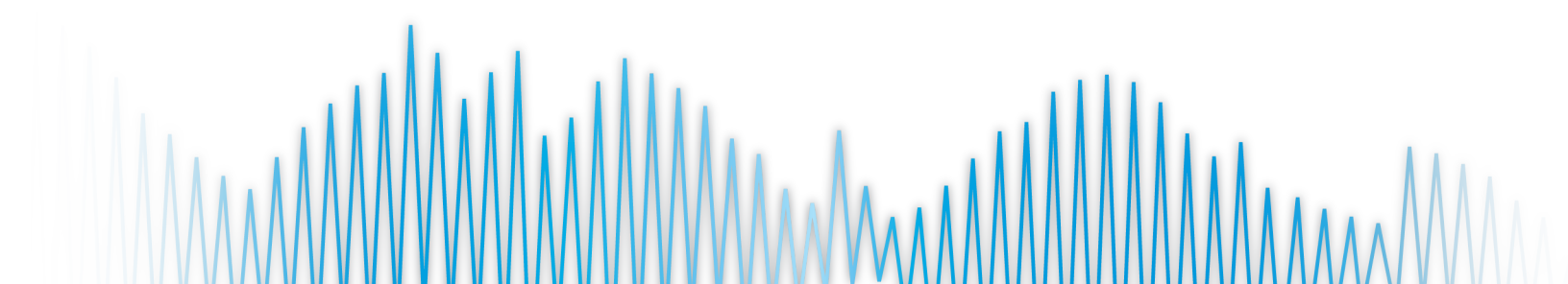
MAIN FEATURES

» SUPPORTS MULTIPLE TUNERS FOR SATELLITE COLLECTION

» BUILT-IN DOWNCONVERTER

» INTEGRATED (MANPACK, CLANDESTINE) - KRYPTO1000 ALSO CAN RUN UNDER WINDOWS EMBEDDED, SO YOUR SYSTEM CAN BOOT TO KRYPTO1000 AND/OR YOUR GUI

» SUPERB DEMODULATION, DECODING AND PARSING OF VHF/UHF WIDEBAND MODES - TERRESTRIAL OR SATELLITE

» NO PROPRIETARY HARDWARE NEEDED

» UNMATCHED DECODER PERFORMANCE IN WEAK/POOR CONDITIONS

» THE MOST COMPREHENSIVE COLLECTION OF CURRENT, ON-AIR MODES (NO DEFUNCT MODES!)

» UNLIMITED WIDEBAND MULTICHANNEL COLLECTION

» RUN UNLIMITED PARSERS CONCURRENTLY

» OFFLINE OR ONLINE ANALYSIS

» RUN MULTIPLE DECODERS SIMULTANEOUSLY

» FLEXIBLE VARIETY OF OUTPUTS TO SUPPORT CRYPTANALYSIS

INCLUDED STANDARD TOOLS

The following tools are NOT OPTIONS, nor are special features you should pay for. These are standard features which are included with every license.

» Multiple recording options - manual or unattended

» Scheduled or timed recording

» Triggered recording and decoding (by mode)

» Voice Activity Detection (VAD) automatic and triggered recording.

» Complete Spectrum Analyzer

"no other decoder on the market offers as comprehenseive a selection of demodulation, decoding and parsing tools"

ALWAYS CURRENT

New decoders for VHF and UHF wideband, terrestrial, air, naval and satellite modes are continuously added.

We may be contracted for custom DSP work, to include development of decoders for your specific mode requirements.
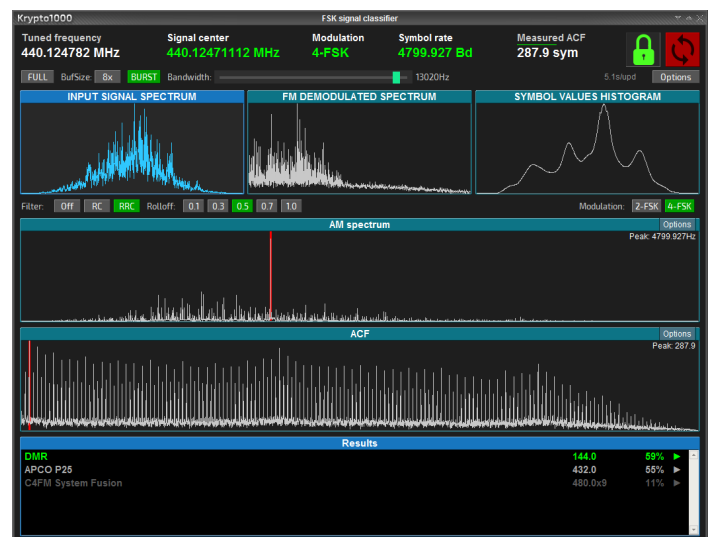
ANY PLATFORM - OPTIMIZED!

Krypto1000 employs a server-based approach that allows it to adjust its performance to the platform - from micro-SWaP (small weight and power) to large platforms like ships, aircraft and fixed sites.

There are two modes of FFT operation for spectrum displays:

» FAST RESPONSE AND LOW CPU USAGE - designed for all the low-swap (size, weight and Power) applications we support - UAVs, manpacks, body-worn and clandestine (leave-behind) systems

» NORMAL OPERATIONS (airborne, naval, fixed-site and vehicles) where power and CPU usage are not as critical

Krypto1000 decoding 10 TETRA channels

Krypto1000 FSK Classifier

INPUTS

- » Baseband Audio
- » Numerous file formats (WAV, RF64, QVRT, etc)
- » I&Q (numerous formats)
- » Custom inputs on request
- » DoD RedHawk SDR support
- » VITA49 I&Q input

OUTPUTS

- » Decoded Text to Screen
- » Decoded Text to ASCII file
- » Demodulate bitstream to screen
- » Demodulated bitstream to ASCII file
- » Demodulated bitstream to hexadecimal
- » VITA49
- » MidasBlue (XMidas)

MODES LIST

Krypto1000 offers decoders for current, on-air modes ranging from VHF/UHF, terrestrial, air, naval and satellite modes. New modes are added on a monthly basis. For the complete list of modes visit COMINT-consulting.com/modes.

SUPPORTED HARDWARE

Krypto1000 controls hundreds of professional HF-UHF receivers and DF systems. For the complete list visit COMINTconsulting.com/systems.

SYSTEM REQUIREMENTS

For the best performance, we recommend the following minimum system configuration:

- » INTEL PENTIUM III @ 1 GHZ OR BETTER
- » 128 MB RAM OR MORE
- » STANDARD SOUNDCARD (RECOGNIZED BY THE OS)
- » MICROSOFT WINDOWS 2000, XP, VISTA, 7, 8 OR 8.1, 10, WINDOWS EMBEDDED
- » VIRTUAL MACHINES SUPPORTED: VMWare, VIRTUALBox, VirtualPC, VAGRANT and HyperV

AND MORE....

You can find an array of information on our website - demonstration videos, white papers and data sheets. Visit COMINTconsulting.com/re-sources.

HAVE A QUESTION?

We are here to help. And the best thing of all - we will give you an honest and responsible answer to your questions. Contact us today at info@comintconsulting.com!

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