

Κρυπτο1000

VHF-UHF -focused Multichannel COMINT - SIGINT
software suite

Unequalled Decoding, Collection, Signals and Traffic Analysis



“A COMPLETE SIGINT SUITE WITH ROBUST SIGNALS COLLECTION AND ANALYSIS”

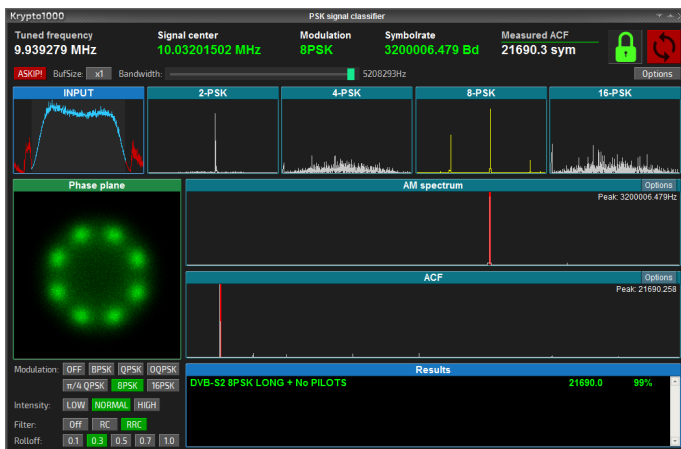


Krypto1000 Inmarsat

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

Krypto1000 is a current and unique collection of demodulators and decoders for narrowband and wideband signals 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.

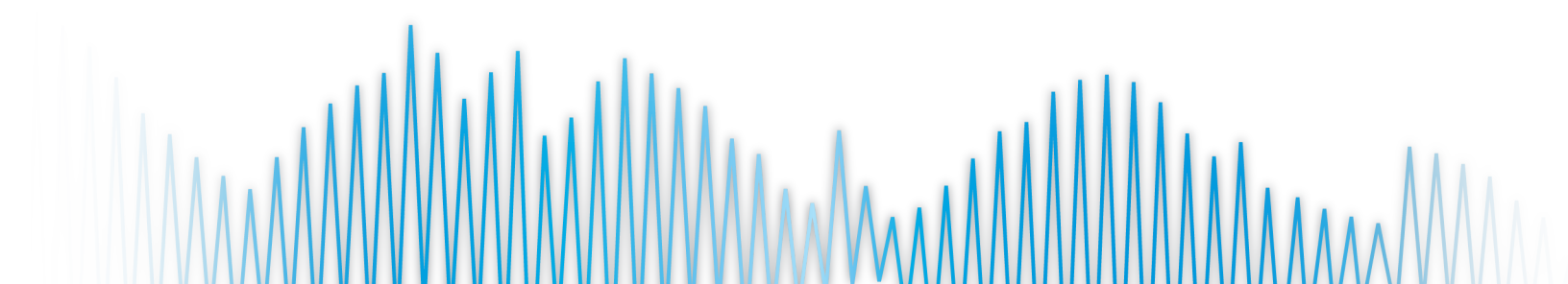
MAIN FEATURES

- » 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
- » HIGH-SPEED, HIGH-RESOLUTION CONSTELLATION AND SPECTRUM DISPLAYS
- » KEYFINDER OPTION IS AVAILABLE TO DECRYPT ENCIPHERED VOICE AND DATA

INCLUDED STANDARD TOOLS

The following tools are NOT OPTIONS, but standard features included with every license.

- » Multiple recording options - manual or unattended
- » Scheduled, timed or target signal or voice activity-triggered recording - manual or unattended
- » Voice Activity Detection (VAD) automatic and triggered recording.
- » Complete Spectrum Analyzer
- » User defined and standard IQ inputs and Playback



“no other decoder on the market offers as comprehensive 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!

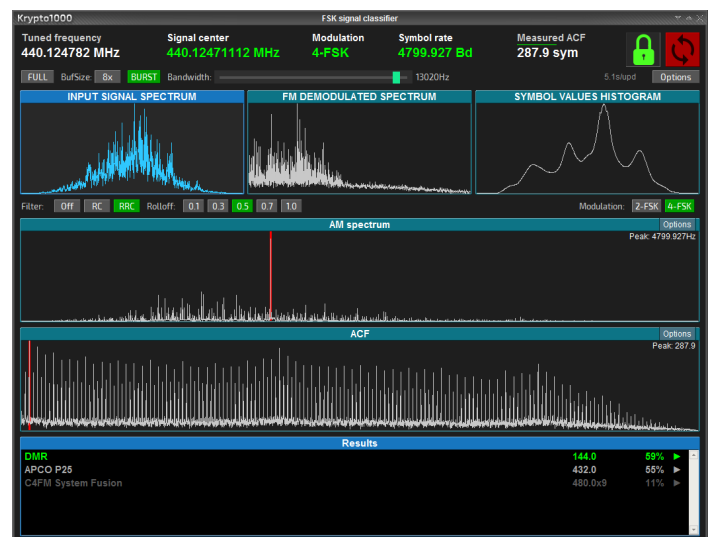
Krypto1000 employs a server-based approach that allows it to adjust its performance to the platform - from micro-SWaP (small weight and power) to large platforms like ships, aircraft and fixed sites.

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 continuously. For the complete list of modes visit COMINTconsulting.com/modes.

SUPPORTED HARDWARE

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

MINIMUM SYSTEM REQUIREMENTS

- » CPU with SSE2 support (Intel Core2 class processor or later)
- » At least 512 MB RAM
- » One free USB 2.0 port for the USB dongle
- » Mouse or Keypad (limited operation with touchscreen)
- » Standard soundcard (recognized by the OS). No soundcard is required if there is no need for audio output
- » Minimum OS: Windows XP SP3. Also supported: XP, Vista, 7, 8, 10, 11 - 32 bit and 64 bit
- » Linux (supported Virtual Machines: VMWare, VirtualBox, VirtualPC, HyperV)

RECOMMENDED SYSTEM REQUIREMENTS

- » CPU with 4 cores/8 threads or more, Intel 4th gen or newer, AMD Ryzen
- » 4GB RAM (SDR sample buffer can be up to 1GB in size, every opened decoder can use up to 2 GB RAM for logs/output text)
- » Soundcard, USB 3.0, LAN

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!

Krypto1000 is controlled by the US International Traffic in Arms Regulations (ITAR) 22 CFR §120-130. It may not be exported or transferred to any other foreign person, foreign country or foreign entity without prior written approval from the U.S. Department of State and COMINT Consulting LLC.

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