

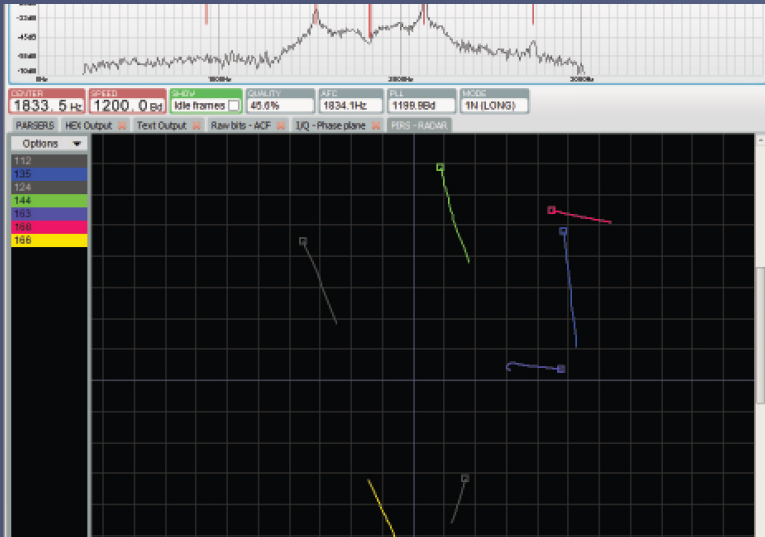
Κρυπτο500

ELF-HF Multichannel COMINT - SIGINT software suite

Unequalled Decoding, Collection, Analysis, Precision Classification and RadioID



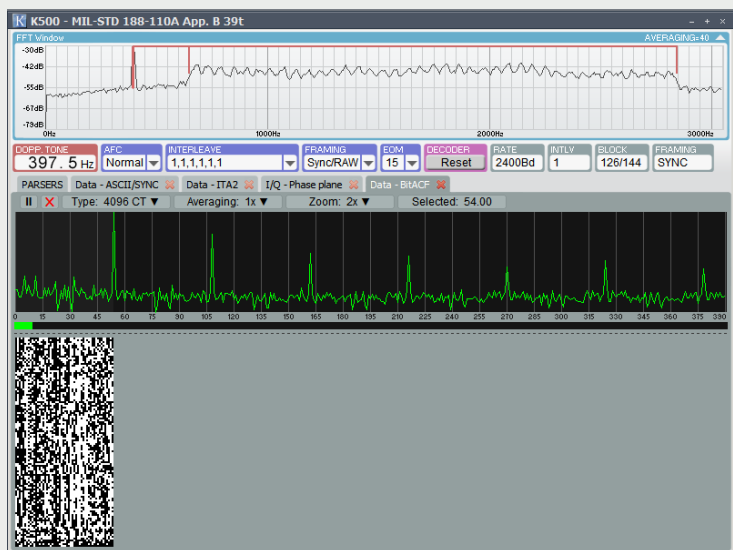
“UNPARALLELED COLLECTION OF SIGNAL DEMODULATORS AND DECODERS”



Krypto500 is for Narrowband (NB) signals up to 48 kHz in bandwidth principally found in HF. 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 for several hundred signals and integrates those seamlessly with so many wideband, narrowband and other collection systems.

Its companion suite, Krypto1000 is for wideband and narrowband signals, principally found in VHF-UHF.



POWERFUL USER INTERFACE

Krypto500 offers an intuitive and powerful user interface and embedded intelligence to assist operators and analysts with proper collection, tuning and decoding of more than 80 short-duration calling and link-establishment protocols (ALE, ALIS, ALM and many more).

MAXIMUM INTELLIGENCE

A comprehensive set of spectrum and parametric analysis tools for external and internal measurements, identification of complex synchronization, timing and cryptographic systems.

MAIN FEATURES

- » SUPERB DEMODULATION, DECODING AND PARSING IN HF MODES
- » NO PROPRIETARY HARDWARE NEEDED
- » AUTOMATIC PRECISION CLASSIFICATION OF 3,000+ TARGET MODEMS
- » USE IN REAL-TIME OR OFFLINE WITH NUMEROUS FILE FORMATS
- » UNMATCHED DECODING PERFORMANCE IN WEAK/POOR CONDITIONS
- » WIDEBAND/NARROWBAND COLLECTION SYSTEMS INTERFACES
- » RUN UNLIMITED PARSERS CONCURRENTLY
- » DECODE HUNDREDS OF CHANNELS SIMULTANEOUSLY
- » FLEXIBLE VARIETY OF OUTPUTS TO SUPPORT CRYPTANALYSIS
- » HIGH-SPEED SPECTRUM, WATERFALL AND CONSTELLATION
- » CONTROL MORE THAN 400 DIFFERENT RECEIVERS, SDRs AND OTHER HARDWARE
- » ONE LICENSE=10+ INSTANCES=32 MODULES/INSTANCE=320+CHANNELS

INCLUDED STANDARD TOOLS

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

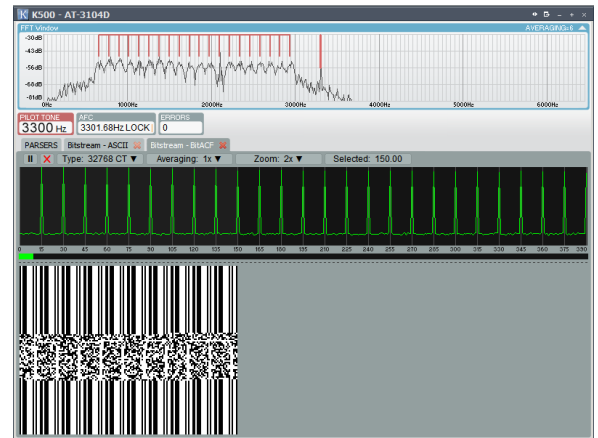
- » Multiple recording options - manual or unattended
- » Scheduled, timed or target signal or voice activity-triggered recording - manual or unattended
- » User defined and standard IQ inputs and Playback
- » Complete Spectrum Analyzer

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

Krypto500 offers decoders for current, on-air modes in HF, terrestrial, air, naval and satellite modes. New modes are added on a monthly basis. For the complete list of modes visit COMINTconsulting.com/modes.

SUPPORTED HARDWARE

Krypto500 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!

Krypto500 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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