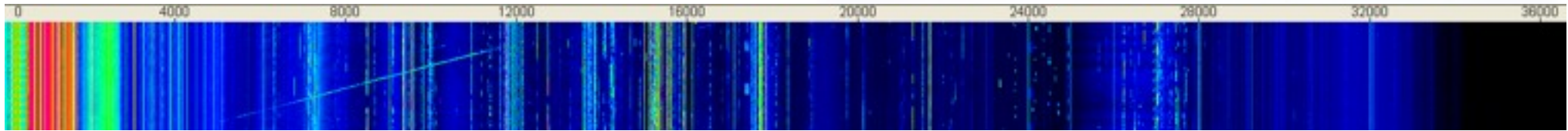




Direct Sampling Software Defined Radio



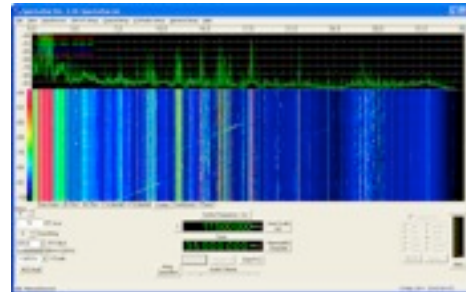
NETWORKED SOFTWARE DEFINED RADIO

The RFSPACE NetSDR is a high-performance, direct sampling, software defined radio with a frequency range of 10 KHz to 34 MHz. It includes a 40 MHz spectral and waterfall display. The 2 MHz output sample rate allows the recording of 1.6 MHz of spectrum to the hard-drive for playback at a later time. The NetSDR is equipped with one of the highest performance front-ends in the industry. It includes a high performance preamp, a bank of 10 sub-octave filters and a 10dB, 20dB and 30dB attenuator. In addition, the analog to digital converter uses 16 bits, quantization noise dithering and output bit randomization for exceptional performance.

The NetSDR uses an ethernet interface for the most robust connection between the PC and the radio. This allows the radio to be remoted anywhere on the network without being limited to a single PC or distance by a USB connection.

The NetSDR ships with the latest version of SpectraVue and SDR-Radio software. The SDR-Radio software allows the use of the NetSDR anywhere in the world using an internet connection. In addition, RFSPACE supplies a fully open source CuteSDR application for those interested in writing their own application. The software is developed using the QT framework and uses totally open, Free BSD licensing with no GPL restrictions. It can be compiled in Mac OS, Linux and Windows.

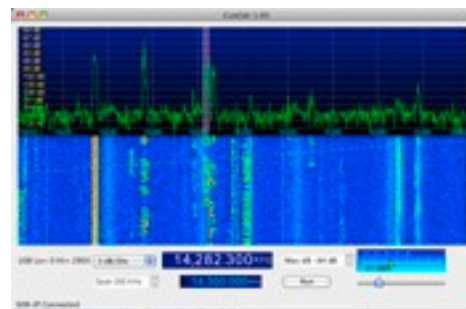
The NetSDR hardware is upgradable with OCXO Reference Lock (Opt 01), VCXO Reference Lock (Opt 04) and internal downconverters. The NetSDR is rack mountable and comes with CE and FCC compliance.



SpectraVue



SDR-Radio



CuteSDR

SPECIFICATIONS

- Frequency Range: 10 KHz - 34 MHz, 0.02 Hz steps
- Digital Down Converter: Xilinx FPGA
- Synchronization : Optional 10 MHz reference input
- PC Interface: Ethernet 100 base-T (UDP/TCP/IP)
- Filters: 100dB, 80% alias free BW (Dual DDC Mode)
- Output I/Q Sample Rate: 12.5 KHz to 2.0 MHz
- Passband Flatness: <0.5 dB
- Dynamic Range: 105 dB
- MDS ADC High Gain (500Hz): -129dBm 10 MHz
- Analog to Digital Converter: 16 bits with dithering
- IQ RX Mute Control: Available on RS-232 pin
- Preselection: 10 sub-octave filters
- Attenuators: 10dB, 20dB, 30dB
- Sample Rate: 80.000 MHz
- Real Mode Memory: 65536 x 16 bit samples
- External Radio Control: Built-in RS-232 port
- Dimensions: 9" x 1.5" x 7.1" W x H x L
- Power: 5 Volts DC @ 1.5 Amp
- Connections: 3 x BNC (RF 1, Ext Ref, RF2/Aux) , RS-232, USB Setup, Stereo In, Ethernet, Power, RX Mute, Ground Screw.
- Compliance: CE,FCC,IC
- Price : \$1,449 plus options

