



SCEPTRE Price List Effective 1 February 2017



SCEPTRE Software Bundles

| Product | Description | Price |
|-----------------|--|----------|
| SCEPTRE-Offline | The Offline version is for post-processing of collected files. File formats include Sceptre, X-Midas, VITA-49, and raw (real or complex, float32, signed or unsigned ints, 8, 16 or 32 bits). Features include spectrum/spectrogram, IQ plots, oscilloscope/oscillogram with triggering, multiple subband tuners, automatic detection and extraction of narrowband pre-D, pulse detection, pulse plots, pulse descriptor word (PDW) generation, demodulation, audio output, and the ability to record pre-D, post-D, audio and spectral data. | \$5,000 |
| SCEPTRE-GbE | The GbE version includes all the features of the Offline version and adds the capability of realtime processing from a gigabit Ethernet stream. Compatible data sources include: Midwest Microwave MSDD-3000, USRP N2XX tuner, USRP B2XX, ICE GIGEXD, and DRS 8728A. Supported stream formats include VITA-49 and SDDS. Up to 40MHz of bandwidth may be processed in realtime (50Msamps/sec complex with 8-bit IQ samples). This version also features the ability to control the frequency and attenuation of a variety of RF front-ends, including the ones listed above, and also DRS Nanoceptor, DRS 9155/9158, M/A-COM 5550i and M/A-COM 3822. For RF front-ends with analog IF outputs, a common configuration is to digitize the IF with a GIGEXD. The software accurately compensates for spectral inversions and IF offsets such that the true frequency is accurately displayed. SCEPTRE also maintains precise time and frequency information throughout processing and recording to support geolocation and other critical missions. | \$10,000 |
| SCEPTRE-2xGbE | The 2xGbE version has all the features of the GbE version and streams inputs simultaneously from two gigabit Ethernet sources. Each receiver or RF front-end may be controlled independently or linked together. | \$12,000 |
| SCEPTRE-10GbE | The 10GbE version is similar to the GbE version and adds the ability to process multiple multiplexed channels from a 10 gigabit Ethernet source. Supported stream formats include VITA-49 and SDDS. | \$20,000 |
| SCEPTRE-PIC6 | The PIC6 version includes all the features of the GbE version while adding the ability to stream ADC data from the ICE PIC6 card. | \$10,000 |
| SCEPTRE-2xPIC6 | The PIC6 version includes all the features of the GbE version while adding the ability to stream ADC data from two ICE PIC6 cards. The software enables coherent data collection from the two PIC6 cards. | \$15,000 |
| SCEPTRE-PCIe | The PCIe version includes all the features of the GbE version while adding the ability to stream ADC, DDC and spectrum data from PCI Express cards, such as the DRS 2090, ICE PIC6, and TSF5 Hunter. This combination enables realtime 500MHz spectrum analysis with a path to 1GHz of bandwidth. | \$25,000 |
| SCEPTRE-2xPCIe | The 2XPCIe version expands the capabilities of the PCIe version to support simultaneous streaming from a pair of PCI Express cards in the same chassis. | \$30,000 |
| SCEPTRE-PRO | The Professional version includes all currently available modules. | \$35,000 |
| SCEPTRE-PIM1 | Plug-in bundle with Map, Mode-S, AIS, ACARS, FSK, Dual-Nano, Directional Spectrum, and WVT compatibility | \$48,000 |
| SCEPTRE-DMD | Digital demods, including FSK, PSK, QAM, OFDM, DSSS, FHSS, with | CALL |



SCEPTRE Price List Effective 1 February 2017



| | | |
|-------------|---|------|
| | equalization, FEC, burst acquisition and interference cancellation are available. Specific communication, telemetry and video protocols are also available. Contact 3dB for more information. | |
| SCEPTRE-MAP | Mapping with imagery and integration with Symmetricom, Fury or EndRun GPS receivers is available. Contact 3dB for more information. | CALL |
| SCETPRE-GEO | Supports geolocation processing using multiple Sceptre sensors. Contact 3dB for more information. | CALL |

SCEPTRE Software Modules

| Product | Description | Price |
|----------------|--|----------|
| | Packages | |
| 3dB-SCEPTRE-WS | SCEPTRE Workstation Software License | \$25,000 |
| ISE-MACOM | Sceptre package for pulse and M/A-COM RX capability | \$30,000 |
| GS | Basic Sceptre package for Gunslinger | \$25,000 |
| | Recording | |
| ARCH | Archiving, dearchiving, database, web interface | CALL |
| FWD | Automatic forwarding based on subscriptions (Requires ARCH) | CALL |
| | Demods | |
| | Additional demods are available, including trunk mobile, cellular, wifi, telemetry, FAX, modem, TTY, etc. Please contact 3dB for more information. Certain restrictions apply. | CALL |
| | Interfaces | |
| RMT | Remote control, compressed audio and PSD streaming, web control | CALL |
| GPS | GPS receiver interface | CALL |
| NAV | Platform navigation system interface | CALL |
| DF | Direction finding system interface | CALL |
| | Advanced | |
| SCAN | Automatically step the RF front-end to scan a wide frequency range, spectral snapshots at each tune, spectral display | CALL |
| IC | Interference cancellation processing, including whitener, over-whitener, notch, transmux, flip tmux | CALL |
| AID | Activity identification, including AM and FM modulation recognition and voice activity detection | CALL |
| SA | Signal analysis tool. Includes spectral analysis, modulation analysis, symbol rate detection, synchronization, frame rate analysis, and constellation identification | CALL |

SCEPTRE-Compatible Acquisition Cards

| Part Number | Description | Price |
|--------------|--|----------|
| 3dB-ACQ-PCIX | Wideband, high-speed, PCI-express analog-to-digital acquisition card <ul style="list-style-type: none"> • TSF5 Hunter card or similar | \$25,000 |
| 3dB-2DAC-H | Dual-channel Digital-to-Analog converter card | \$8,500 |
| | Other cards | CALL |



SCEPTRE Price List Effective 1 February 2017



SCEPTRE Systems

| Part Number | Description | Price |
|---------------------|--|----------|
| 3dB-GS-NEXT-C | Gunslinger / NextComputing platform system <ul style="list-style-type: none"> • Dual Xeon E5-2680 2.7GHz • Dual 1900x1200 displays • 32GB Memory • 120GB SSD main drive • 4x1TB spinning data drives • Ruggedized shock-resistant aluminum alloy chassis • LINUX Operating System installed • DRS 2090 card transferred from old system, installed, and tested • Gunslinger license transferred from old system, Gunslinger software installed and tested, if desired | \$40,000 |
| 3dB-FIREFLY-MBP | FIREFLY dual-channel system | \$30,000 |
| 3dB-FIREFLY-LT-3000 | Remote Firefly, laptop, external RAID array, MSDD-3000, 4 hours pre-D FIFO | \$50,000 |
| 3dB-FIREFLY-LT-HFE | Remote Firefly, laptop, external RAID array, MMS with HF extension, 4 hours pre-D FIFO | \$63,500 |
| 3dB-FIREFLY-RM-3000 | Remote Firefly, rack-mount, MSDD-3000, 10 hours pre-D FIFO | \$65,000 |
| 3dB-FIREFLY-LT-HFE | Remote Firefly, rack-mount, MMS with HF extension, 10 hours pre-D FIFO | \$77,500 |
| | Other configurations | CALL |

SCEPTRE Support

| Part Number | Description | Price |
|-------------------|--|----------|
| 3dB-SCEPTRE-2DDC | Basic SCEPTRE Support and integration with existing customer tools | \$10,000 |
| 3dB-SCEPTRE-2DAC | SCEPTRE Software modifications to support analog playback | \$6,500 |
| SCEPTRE-MNT1 | Annual software maintenance for SCEPTRE-PCIe license | \$5,000 |
| SCEPTRE-TRN-SITE | Onsite training | \$5,000 |
| SCEPTRE-OSUP-SITE | Onsite operating system upgrade | \$10,000 |
| 3dB-SCEPTRE-INT | SCEPTRE system integration and test | \$10,000 |

For more information, please contact:

3dB Labs, Inc.

ATTN: David Evans

9050 Centre Pointe Dr., Suite 340

West Chester, OH 45069

Phone: (513) 332-5227 (S) 817-5203

Email: davee@3dB-Labs.com

This price list is effective as of 1 Feb 2017. Prices are actively maintained and subject to change without notice.