



Binary Acoustic Technology, LLC.

Digital Acoustic Processing

www.binaryacoustictech.com

iFR-V-SBS integrated Field Recorder

Product description:

The iFR-V-SBS integrated field recorder enhances Binary Acoustic Technologies field recorder product line with support for industry standard Smart Battery System (SBS) battery packs. Each battery pack provides three nights of recording. The SBS battery packs can be swapped out in the field, saving time and equipment costs for multiple night “nomadic” monitoring projects.

A typical multiple night recording system consists of an iFR-V-SBS Field Recorder along with an ultrasonic microphone. The system can also be reconfigured into an extended duration recording system by adding, a USB hard drive, and a 20W solar panel.

The iFR-V-SBS is a fully weather proof system. It includes an integrated battery system, an embedded microcontroller, a high speed 16-bit digitizing system and two USB connectors which allow it to control and operate an ultrasonic microphone along with a combination of external USB hard-drives, Compact Flash writers, or USB thumb-drives.

Internally, the iFR-V-SBS runs an embedded version of SPECT'R software. It supports an operation timer, the WAVPACK loss-less compressed file format, sleep mode to conserve battery power, and a remote file transfer mode that will automatic transfer recordings back to a specified FTP site.

The iFR-V-SBS operates using Binary Acoustic Technologies EXT ultrasonic microphone units. It can be outfitted with either directional or hemispherical ultrasonic microphones. The microphone interface supports cable lengths of up to 250 feet.



iFR-V-SBS integrated Field Recorder Unit

Specifications:

Interface:

- Two (2) USB ports
- One (1) Ethernet connector
- One (1) RS-232 console connector
- One (1) EXT MIC connector
- One (1) 12 to 19V power connector

Compatible Accessories:

- AirLink Raven-X cellular modem
- AR125 Ultrasonic Receiver
- Blue Icicle XLR microphone interface
- LCD Controller
- USB Thumb-drives
- USB Compact Flash writer
- USB enabled external hard drives
- Solar Panel

Power Requirements : +12V @ 3.2W (typ.)

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