



Binary Acoustic Technology, LLC.

Digital Acoustic Processing

www.binaryacoustictech.com

iFR-IV integrated Field Recorder

Product description:

The iFR-IV is an integrated field recording system developed for overnight and extended duration monitoring projects. Drawing just 3.2 Watts, the iFR-IV is Binary Acoustic Technologies lowest power recording solution. It is capable of recording up to three days using the internal battery and up to two weeks using a small 40 Ah external car battery.

A complete monitoring system can be assembled using a minimum of components. A typical overnight recording system consists of an iFR-IV 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 solar panel.

The iFR-IV 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-IV 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-IV operates using Binary Acoustic Technologies EXT ultrasonic microphone units. The microphone interface supports cable lengths of up to 250 feet.



iFR-IV with ultrasonic microphone

Specifications:

Interface:

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

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

Contact information:

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