

Digital Data & Audio Recorder

Model No: ICS-DDAR-16C-3UR



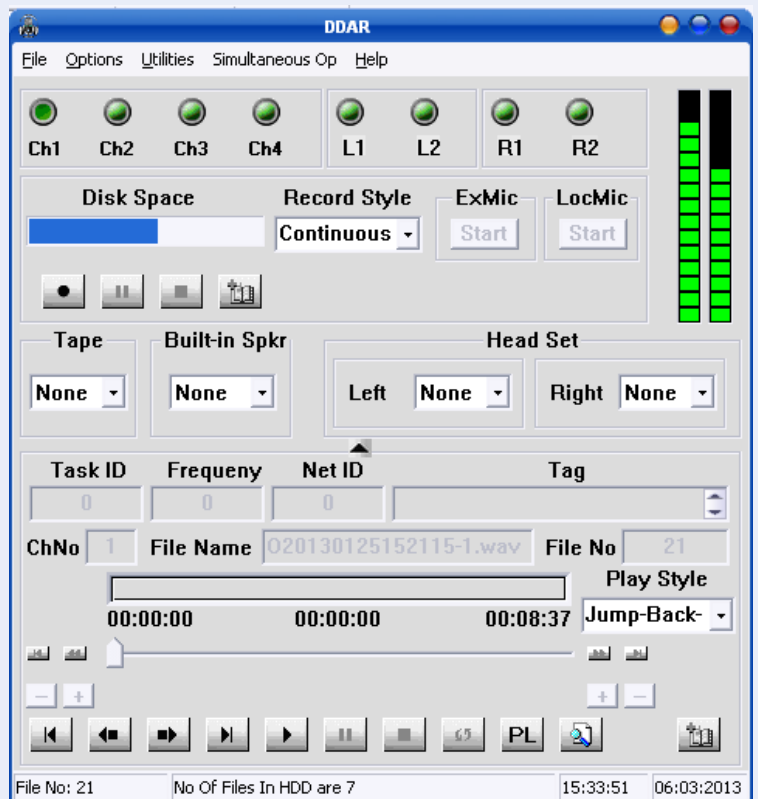
DDAR

System Overview

The Digital Data and Audio Recorder (DDAR) is a HDD based multi channel recorder developed on 19" rack mountable rugged industrial PC platform with 3U height. It is capable of recording analog audio signals, as well as network and RS-232 data. The digitized audio signals, Network and RS-232 data are stored as separate audio and data files on the storage media. It also supports RAID configuration.

System Description

The DDAR comprises eight independent channels with four audio pairs, two Ethernet LAN channels and two RS-232 channels. Each paired channel comprises of voice annotation facility using external mike or mike of the local headset connected to the DDAR from the front Panel. The selected channel can be used either for recording or replaying. If the recording is going through any channel, the same channel cannot be used for replaying and vice-versa. The recorded files are stored in a compressed format like MP3 for audio and ZIP format for data.



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DDAR

System Features

- Stand alone unit and Total Indigenous Technology
- Audio input from any analog source (Microphone, Tape Recorder, Radio etc..)
- Ethernet/RS-232 Data Recording/Replaying.
- Voice Annotation for 4 for all channels.
- File formats: Audio : .wav (default), .mp3 (Compressed and Backup); Data : .dat,.zip
- Simultaneous Recording and replay of both Audio and Data
- Dynamic Channel selection for replay and selection of specific portion of a file for replaying
- Book marking while recording / replaying along with the Text Annotation
- Fixed and continuous recording.
- GPS time Synchronization
- PC based Player to replay backup files from DDAR
- Automatic Date/Time stamping for recorded file
- Editing of pre-recorded audio files
- Backup of audio and data files into CD/Flash Drive
- Replay the recorded files with jump-back-play or original playback.
- Generating a chunk file for every half an hour, while recording.
- Audio and Data Compression: Activity based recording and Compression algorithms

System Specifications

- Operating power supply: 230V; 50 Hz
- Dimensions (WxHxD): 19" Rack mountable, 3U, 460mm
- Operating temperature: -20⁰ to +55⁰ C
- Display: 2 Row LCD built in display for status along with connectivity to an external monitor for system control
- Storage media: Hard disk/SSD, Backup Media : CD ROM / Flash Drive
- Audio Input: Audio signals of 300 Hz to 3.4 KHz bandwidth
- Data Input : LAN Data and RS232 Data
- Audio Sampling rate: Configurable as 8K, 11.025K, 16K, 22.05K, 32K and 44.1 KHz
- No. of Channels : 16 Channels (12 Audio + 2 LAN Data + 2 RS232 Data)
- Local Interface : Mike, Headset, Built-in-Speaker, Tape
- It can record high speed Network Data
- It supports RAID 0, RAID 1, RAID 5 and RAID 10
- Customization as per user requirement

Note : The Specifications can be changed without prior notice due to technological advances



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