DDAR

The Digital Data and Audio Recorder (DDAR) is a HDD/CD based multi channel audio recorder developed on 19" rack mountable rugged industrial PC platform with 3U height.

System Features

- Stand alone unit and Total Indigenous Technology
- Audio input from any analog source (Microphone, Tape Recorder, Radio)
- Ethernet/RS-232 Data Recording/Replaying.
- Voice Annoatation for 4 receiver channels and Data Annoatation for 4 data 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: -20^0 to $+55^0$ C
- Display: 2 Row LCD display for status (built in) along with connectivity to an external monitor for system control
- Storage media: Hard disk; 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
- Sampling rate: 8K, 11.025K, 16K, 22.05K, 32K and 44.1 KHz (Configurable)
- No. of Channels : 16 Channels (12 Audio + 2 LAN Data + 2 RS232 Data)
- Local Interface : Mike, Headset, Built-in-Speaker, Tape

NOTE : The specifications can be changed without notice due to technological advances.