20.

DML AUDIO
Digital Media Logger

⊗ PRODUCT OVERVIEW

Media logging is the process of capturing audio, usually in low quality format, and preserving the recordings for a large number of days, usually 2 or 3 months. In most countries media logging is mandatory by law for all radio broadcasters, but it can also be used for advertisement certification, audio quality surveillance, competition monitoring and media rebroadcasting.

⊗ DML MAIN SPECS

» Archive any logging period 30, 60, 90, 180, 365 days …
» Single channel and multiple channels configuration
» Compatible with WDM audio cards and AoIP drivers (Dante Livewire, etc)
» Compatible with FM and AM tuner cards
» Ip input in UDP, RTP, RTSP, RTMP, HTTP, Shoutcast, Icecast
» Capture sampling 32,44.1 and 48 khz mono or stereo
» Continuous 24/7 recording without any sample loss between file segments

» Formats MP1, MP2, MP3, WAV, WMA, AVI (DivX), ASF (Windows media), MPEG1, MPEG2, MP4 (H264 and AAC), FLV with logo on video
» Customizable audio bitrates and advanced parameters
» Custimizable segmentation per file duration (typically 60 min), file size or at midnight
» Automatic delete of oldest files when disk space is low
» Ip streaming in WMA
» Volume adjustment with compressor and AGC
» Alarm notification via E-mail and SMS for black video, freeze, no audio, archive length, etc
» Accurate statistics on capture process and datarates
» Accurate GPS (receiver optional) Date and Time synchronization
» Data security featuring RAID architecture or software mirror, content is preserved in case of disk failure
» Remote system monitoring from any LAN or Internet connected PC
» Easy content export/conversion with Mark-In and Out points
» Flexible transcoding to most of video formats

//Non Stop Audio Logging

DML records audio contents coming from the widest variety of sources (unbalanced, balanced, digital AES/EBU, Dante, Livewire, Antenna, SAT, DVBT, DVBC, ATSC, IP, etc) and stores them on Hard Disk (recordings stay on line depending on hard disks capacity, usually: 30/60/90 days as required by laws in many countries).

DML system is totally maintenance free and oldest recordings are overwritten by the newest ones automatically.

Audio format and compression/quality vary according to the archive space and the logging period chosen. Recording quality may be as high as uncompressed wav WAV files.

Content is accessible from the DML as well from any networked computer, never stopping the recording. System status is constantly monitored either locally, thanks to DML-embedded tools, as well as from any networked computer running the DML Monitor free software. Whenever rising, alarms may be notified via email or SMS.

DML Recorder supports a large variety of video formats, compressions and resolutions, from MP1-2-3 to WAV, but also many video formats allowing to superimpose a logo on video and take advantage of the overlay datestamp captured onto the video stream, for accurate and tamper proof date time certification.

DML files are standard multimedia files, which can also be played on any ordinary multimedia player.

Accurate date and time certification is guaranteed through synchronization to GPS satellites time reference with Axel Technology's Sat Time Synchronizer receiver.

DML Recorder status is constantly monitored by auto-diagnostic tools. In case of alarms, the operator is warned via email or SMS.

Monitored parameters: Disk activity / video presence / video freeze / audio presence / instant data-rate / average data-rate / audio stream integrity.

With the free DML Player software, content can be easily edited and downloaded on external media and converted to the most popular audio formats.

// DML Player

CONTENT SEARCHING, BROWSING AND CONVERSION DML Player is a free software application for real time content browsing from any networked PC. Exclusive simultaneous multi-channel playback allows accurate audio temporal comparison. The calendar window shows the available recordings. Just 'click' on desired date and time to start playout. Play speed is variable from 0.5x to 16x.

Go To date / time function allows direct playback to specific recorded events. Capability to jump to specific date and time using generic automation Log files.

Mark-in & Mark-out tools along with additional basic editing tools allow extraction of audio segments.

Fast export or conversion in native or popular formats to fit all distribution and storage needs.

Mark point positioning is frame-accurate using handy scroll & drag bars, along with keyboard shortcuts.

DML AUDIO
Digital Media Logger

⊗ CONTENT SEARCHING
AND BROWSING VIA WEB

DML Web Viewer is a free server application for real time viewing from any Internet browser and works on windows, linux, mac or any handheld device. The calendar widget shows the available recordings. Just 'click' on desired date and time to start listening. Configuring main router ports allows viewing from internet from any remote location.

⊗ REMOTE
MONITORING VIA WEB

System requirements may vary on number of captured channels and video quality. Intel i-7 8 GB RAMW in 10 Separate disk partition for each channel 1 TB per 1 channel 90 days 1 Mb/s

// DML Supervisor

Supervisor is an optional software which monitors multiple unit status and connected devices, managing hierarchical alarm levels and notification via email, SMS, fax, etc. Suggested for multichannel environments. Featuring automatic system recover and emergency intervention (such as spare units activation, audio routing, remote control of audio matrix, asynchronous serial communication and GPI, etc.)

// XMAM

XMAM is an optional archiving and catalogue system which provides fast and simple integration with DML allowing perpetual archiving of selected media. XMAM is a Web-based, user focused interface that supports access and processing of digital assets like video, audio, images, documents and presentations. XMAM supports standard Web browser navigation without additional client software needed.

// Sat Time Synchronizer

STS is the optional antenna receiver and software which allows an extremely accurate synchronization of PC clock to GPS satellite reference. Recomended for tamper-proof date / time certification.

// Multiple Channel Turnkey Solutions

Axel Tech can provide multiple channels turnkey systems with DML capture units, file servers with redundant storage, LAN infrastructure, KVM switches, completely precabled and configured in Axel Tech's laboratories. Monitoring and editing desks are customized according to customer needs allowing coroporate and government organizations to take advantage of a fail proof solution. Local installation, training, and after sales support is provided directly by Axel Tech.