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Playing it loud!

DMLX

Digital Media Logger

>> Turning Compliance into Competitive Advantage

DMLX is an advanced recording and logging system for broadcast. It enables continuous recording of audio and video content for legal audits and post-broadcast analysis, supporting multiple formats and ensuring high reliability.

DMLX can be used for continuous recording and monitoring of the content broadcast by television and radio broadcasters. It ensures legal compliance, allowing for the preservation and recovery of transmissions in case of audits by regulatory agencies. Additionally, it provides tools for post-broadcast analysis, quality control, and archiving.

/// Overview

DMLX manages the continuous recording and monitoring of the content broadcast by both television and radio broadcasters. It can be used to ensure legal compliance, allowing preservation and recovery of transmissions in case of audits by regulatory agencies. It also provides tools for post-broadcast analysis, quality control, and archiving.

Radio and television broadcasters are legally required to have continuous recording technologies for a specified number of days. Issuers are obliged to hand over the records upon request of administrative entities.

Broadcasters can use DMLX for different scopes, such as certification of the broadcast of their customers' advertising, extraction of recording segments to be published on websites and social networks, internal quality control, or internal workflow needs. In some cases, DMLX is used by broadcasters to record other competing broadcasters for programming and customer analysis.

Administrative and governmental bodies are responsible for monitoring the compliance of radio and television broadcasters with applicable regulations. In the case of infringements, the records shall be used as evidence.

Advertising agencies register the broadcasters to which they have commissioned advertising campaigns to verify the airing of the advertisement.

Audio-video post-production activities using content recorded by other broadcasters, usually the largest international news stations. DMLX can also record in high quality to re-broadcast it and allow the extraction of audio and video to be used in the editing of current programs and news.

DMLX is designed to operate 24/7 without requiring maintenance or intervention.

DMLX captures audio and video 24/7, usually in a highly compressed format, and preserves the recordings for many days, usually up to 2 or 3 months. In most countries, media logging is required by law for all TV broadcasters, but it can also be used for advertisement certification, audio/video quality surveillance, competition monitoring, and media rebroadcasting. In this last case, DMLX can capture in high quality, up to 4K.

DMLX records A/V contents coming from the widest variety of sources (SDI, HDMI, NDI, ST2110, TS, and many other IP formats) and stores them on local or network drives. DMLX is maintenance-free as, according to the settings, the oldest recordings are overwritten by the newest ones automatically.

Video compression/ quality varies according to the archive space and the logging period chosen. Recording quality may be as high as 8K quality. Content is accessible from the DMLX as well as from any networked computer, never stopping the recording.

System status is constantly monitored locally, thanks to the DMLX embedded tools, as well as from any networked computer via the DMLX dashboard.

Whenever rising, alarms may be notified via email, SMS, telegram, and others.

A set of features that is complete and reliable at the highest level.

DMLX Recorder supports a large variety of video and audio formats, compressions, and resolutions, like MP4 in H264/ H265/AV1 and AAC accelerated in GPU, which can also be played on any ordinary multimedia player.

Simultaneous capture and IP streaming allow the viewing of encoded A/V signals from anywhere through the Internet. Date and time displays are superimposed onto video signals or embedded into the A/V data stream. Accurate date and time certification is guaranteed through synchronization to the GPS satellite's time reference with the AxelTech Sat Time Synchronizer receiver.

Monitored parameters: Disk activity / video presence / video freeze / audio presence / instant data rate / average data rate / A/V stream integrity. DMLX architecture is future-proof and conceived for the easiest integration of any new video format.

Editing, downloading to external media, and converting content to the most popular video formats is made easy with the free DML Player software.

DML Player is a 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 the desired date and time to start playing. Play speed is variable from 0.5x to 16x.

The go-to-date/time function allows direct playback of specific recorded events. Capability to jump to specific dates and times using generic automation Log files.

Mark-in & Mark-out tools along with additional basic editing tools allow the 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 Web Viewer is a 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 the desired date and time to start listening. Configuring main router ports allows viewing from the internet from any remote location.

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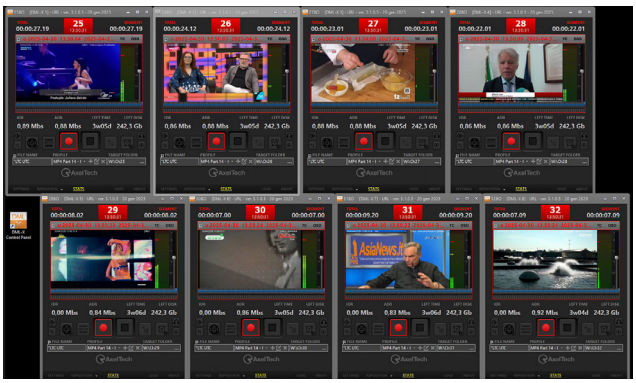
/// Features

DMLX has a wide selection of input formats: Blackmagic cards for SDI-HDMI-ST2110. WDM and ASIO audio cards. IP streaming (HLS, SRT, RTMP, UDP, ICECAST). NDI. The use of Nvidia, AMD, and Intel GPUs for accelerated capture in H264, H265, and AV1 allows multi-channel configurations.DMLX includes logging of ancillary information, such as LTC timecode, Closed caption, SCTE, Loudness, and multitrack audio. Powerful features, and accessories: System of notifications (email, telegram, and so on), web dashboard remote control, IP streaming monitoring.



- Archive any logging period 30, 60, 90, 180, 365 days Single channel and multiple channels configuration.
- SDI and ST2110 inputs with Blackmagic, Bluefish, Aja, Dektec, Deltacast, Magwell devices.
- IP input in UDP TS, RTP, RTSP, RTMP, HTTP, SRT, and NDI.
- Audio input with any compatible Windows device, including AoIP Dante, Livewire, and AES67.
- Sonifex RADCAP for FM, AM, and DAB reception.
- Capture any resolution in SD, HD,2K,4K,8K, or custom.
- Input rescale and crop with aspect ratio correction.
- Continuous 24×7 recording without any frame loss between file segments.
- Video can contain up to 16 audio tracks.
- Closed caption and LTC timecode embedding.
- SCTE35 and SCTE104 logging.
- Video formats include MP4 (H264, H265, AV1), TS, MOV, XDCAM, MXF, GXF, FLV, VOB, ASF, AVI, MKV.
- NVIDIA, AMD, and INTEL GPU acceleration for video encoding and decoding.
- Audio formats MP3, AAC, AC3, WAV, OGG.
- Automatic delete of oldest files after the expiration period.
- IP streaming for monitoring in UDP TS, RTP, RTSP, RTMP, HTTP, and SRT.
- CG overlay with antialiased text for name of channel, date, and time Logo overlay for watermarking
- Volume adjustment.
- Alarm notification via E-mail, SMS, and Telegram for black video, freeze, no audio, archive length, etc.
- Accurate statistics on the capture process and data rates.
- 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 the video formats.
- Web Dashboard for remote control.
- Rest APIs for developers.
- SNMP protocol.

/// Options

Supervisor is an optional software that monitors multiple unit statuses and connected devices, managing hierarchical alarm levels and notifications via email, SMS, Telegram, etc.

Suggested for multichannel environments, featuring automatic system recovery and emergency intervention (such as spare unit activation, audio routing, remote control of audio matrix, asynchronous serial communication, and GPI, etc.).

XMAM Plus is an optional archiving and catalog system that provides fast and simple integration with DMLX allowing perpetual archiving of selected media. XMAM Plus is a Web-based, user-focused interface that supports access and processing of digital assets like video, audio, images, documents,

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