

# DML Video



## Digital Media Logger

Media logging is the process of capturing audio and video, 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 obligatory by law for all TV broadcasters , but it can also be used for advertisement certification, audio/video quality surveillance, competition monitoring and media rebroadcasting.

## DML Video Main Specs

Archive any logging period 30, 60, 90, 180, 365 days

Single channel and multiple channels configuration

Compatible with WDM Tuner cards, DVB-T, DVB-S/S2, DVB-C,  
ATSC, analog TV

Compatible with BMD Decklink and Intensity

Ip input in UDP, RTP, RTSP, RTMP, HTTP

Capture resolutions CIF, SD and HD

Input rescale and crop with aspect ratio correction

**Audio delay for AV sync shifting**

**Continuous 7x24 recording without any frame loss between file segments**

**Formats AVI (DivX), ASF (Windows media), MPEG1, MPEG2, MP4 (H264 and AAC), FLV**

**Customizable video and audio bitrates and advanced parameters**

**Customizable segmentation per file duration (typically 60 min), file size or at midnight**

**Automatic delete of oldest files when disk space is low**

**Virtual source creation for use with 3rd party sw (encoders, etc)**

**Ip streaming in WMV and RTMP (FMLE)**

**CG overlay with antialiased text for name of channel, date and time**

**Logo overlay for watermarking**

**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

Multiple language GUI



**DML Video Recorder**  
:  
**Non Stop A/V**  
**Logging**  
**and IP Streaming**



**DML records A/V contents coming from the widest variety of sources (composite, Y/C, SDI, HDMI, 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. Video compression/quality vary according to the archive space and the logging period chosen. Recording quality may be as high as HD BROADCAST quality. 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 the efficient DIVX and MP4 in H264 and AAC, to the more traditional MPEG-1, MPEG-2. DML files are standard multimedia files, which can also be played on any ordinary multimedia player.**

**Simultaneous capture and Windows Media or RTMP Flash streaming allows viewing of encoded A/V signal from anywhere through Internet. Date and time display are superimposed onto video signal or embedded into the A/V**

data stream. Accurate date and time certification is guaranteed through synchronization to GPS satellites time reference with AxelTech'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 / A/V stream integrity. DML architecture is future-proof and conceived for the easiest integration of any new video format.

With the free DML Player software, content can be easily edited and downloaded on external media and converted to the most popular video 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 Monitor: remote monitoring via web

DML Monitor is a free software tool which allows monitoring in real time through LAN and Internet of one or more DML units.

System and recording supervision will be available from anywhere.

DML Monitor displays current video frame for each recorder, together with status info, systems logs, streaming audio and the upcoming of alarms or parameters out of range.

## **DML Web Viewer:** **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.

### **of options**

## **DML Copy**

DML Copy is an optional software which copies files from multiple DML recorder units to centralized storage systems. In multiple channel systems it is advised to deploy a central storage unit with RAID 5 or 6 redundancy rather than on the single capture units. DML Copy will provide a "slow" and controlled copy service to avoid saturating LAN bandwidth.



## 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.

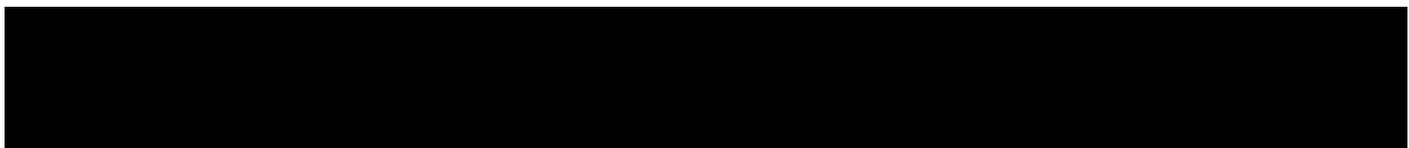
Featuring automatic system recover and emergency intervention (such as spare units activation, audio routing, remote control of audio matrix, asynchronous serial communication and GPI, etc.)

## **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. Recommended for tamper-proof date / time certification.**



## Complete Multiple channel full 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 corporate and  
government organizations to take  
advantage of a fail proof solution.  
Local installation, training, baby  
sitting and after sales support is  
provided directly by



**Axel**

**Tech**

## Minimum system requirements

System requirements may vary on number of captured channels and video quality.

**Intel i-7**

**8 GB RAM**

**Win 10**

**Separate disk partition for each channel**

**1 TB per 1 channel 90 days 1 Mb/s**