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DML Video

Digital Media Logger

⊗ DIGITAL VIDEO 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 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 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 / 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 | 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 playback. 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

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 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.





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⊗ **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.

⊗ **MINIMUM SYSTEM REQUIREMENT**

System requirements may vary on number of captured channels and video quality. Intel i-78 GB RAM Win 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. Recommended 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 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.