



## Off-the-shelf Conference **streaming and recording**

Do you recognise the ease of use of LogDepot SARA Conference? Then please contact us:  
**info@arbormedia.nl** or **+31 (0)314 399 055**.  
We gladly show you how SARA Conference can support you in your daily work.



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# The LogDepot SARA, Streaming and Recording Appliance

Today, conferences and meetings are rarely one-off or stand-alone events. More and more often they are part of a broader multichannel communication platform. The same is true for courtroom sessions and city or county council meetings but also and more in general for interviews and videoconferencing. With the introduction of SARA, Arbor Media introduces a standardized, full automatic and easy-to-use advanced digital webcasting and recording device. By design suitable for multi-lingual operation, creating live streams and Video-on-Demand files for each language separately.

If users want to review and control meetings (maybe because a name or an agenda item was misspelled) they can access the recordings via a web based client application, called the Media Board. It is extremely easy-to-use and does not require local installation of specific software.

The Media Board allows authorized users to play meetings and correct or add metadata information and re-publish the meeting with just a few mouse-clicks!

## SARA's highlights

The SARA is the perfect tool for conference room, courtroom, city hall and county council live webcasting and recording:

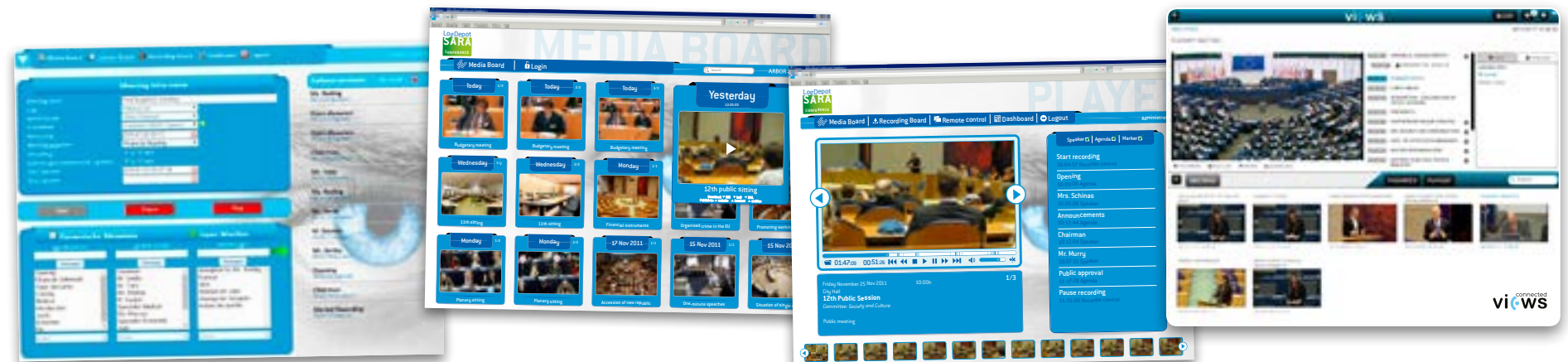
- ▶▶ Standardized plug & play system
- ▶▶ Automatic start/stop streaming and/or recording from the conference system
- ▶▶ Display live metadata events from the conference system (no manual interaction required)
- ▶▶ Specific hardware configuration adapted to required system configuration (input formats)
- ▶▶ Ready for multi-lingual installations (floor + up to 7 interpreter channels)
- ▶▶ High availability redundancy hardware including hard disk RAID setup and redundant PSU
- ▶▶ Automatic 24/7 cyclic buffer recording. Never miss a meeting!
- ▶▶ Multiple user access via Media Board
- ▶▶ Cost-effective, innovative and easy-to-use product
- ▶▶ Very limited learning curve: just connect, start and operate!
- ▶▶ Remote management via web interface
- ▶▶ Supported input formats: SD or HD SDI, HDMI, Composite Video or audio only version; analog balanced and unbalanced audio signal.
- ▶▶ Seamless integration with Arbor Media's Connected Views 'in the Cloud' video-on-demand and live streaming service.
- ▶▶ Seamless integration with Arbor Media's "on site" installed ConnectedViews streaming and VOD platform.

## Prepare meeting

## Stream & Record meeting

## Review

## Publish



### Step 1: preparing

Prepare your (conference) meeting by uploading or entering meeting data like time, room, title, agenda, and/or other supplementary data into the [Remote Control Dashboard](#).

### Step 2: stream & record

Start recording and or streaming conference sessions with the help of the [Remote Control Dashboard](#). Every time you push the Pause or Stop button an individual session is digitally captured and saved. Add speaker names, agenda items, or manual annotations if desired. LogDepot SARA offers easy integration with several room control automation systems (Crestron, Extron and AMX) and can record in proxy format and high quality.

### Step 3: reviewing

After recording, review the meeting and prepare for publishing by correcting possible errors and fine tuning data. [The Media Board](#) combines the audio/video feeds with metadata from microphone conference systems (Televis, Bosch, Taiden and Shure/DIS), room control systems and manual annotations in one user-friendly overview. Searching and exporting is enhanced by features such as "thumbnail viewing", cue marking options and simple download facilities.

### Step 4: publishing & viewing

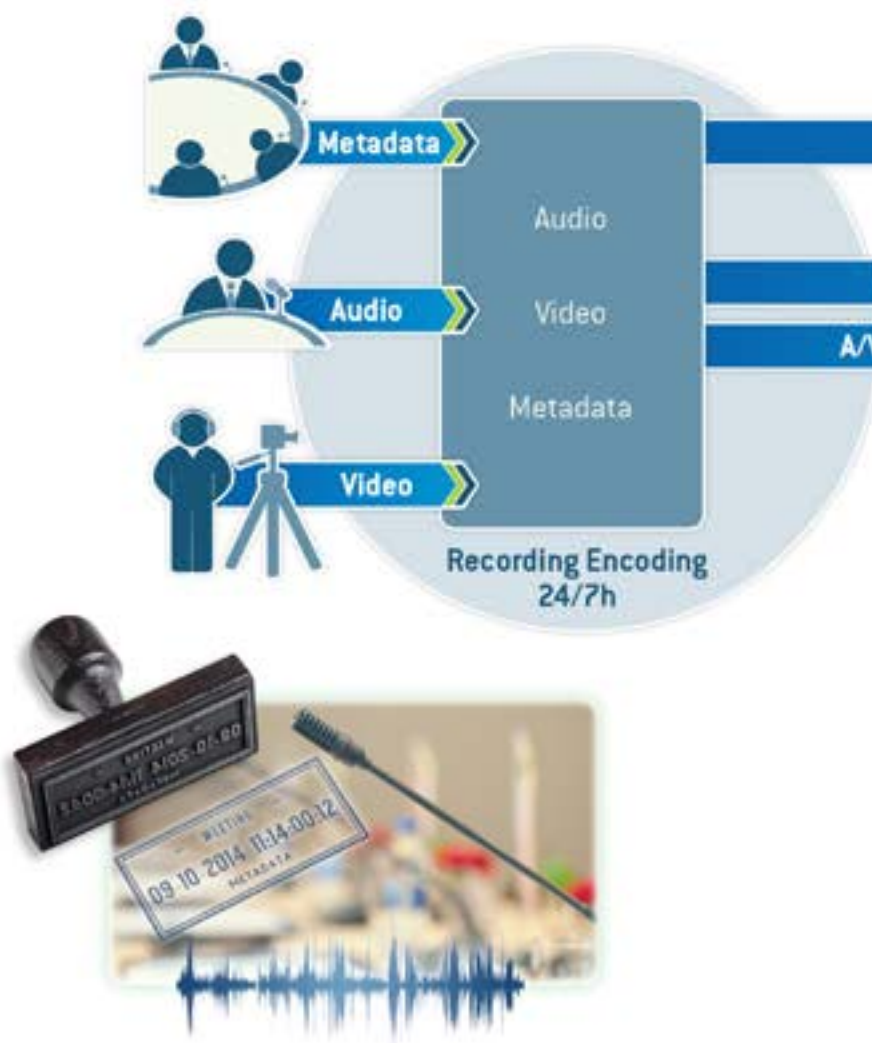
Publish the recorded content to a website, an internal network/portal or long term archive using [the Media Board](#). Use [the Player](#) to watch and listen to recorded sessions. Browsing through the material and searching for specific items and/or fragments is easy by the metadata information. Use the Arbor Media Cloud streaming and Video-on-Demand service: ConnectedViews, a seamless integration with the SARA Appliance.

# How does it work?

Basically SARA is designed in a three layer operation concept

## Input

SARA encodes the incoming sources mainly for two purposes as there are, recording of incoming source and live stream generation including metadata.



Metadata feed from microphone conference systems  
The SARA interacts with microphone conference systems.  
Enrich the conference content with time stamped metadata during live streaming and recording.

## Control

SARA offers a web based management and controlling interface, allowing start-pause-stop control, meeting management, review and publishing tasks.



## Output

SARA offers a “record once, publish many” concept. SARA integrates smoothly in operational architectures for producing recordings and streaming for multiplatform – multipurpose use.





## SARA's features

### Audio and Video recording

SARA replaces your actual meeting recorder by a “state of the art” recording device. SARA supports recording of incoming signals in an open standard file format (H.264/AAC). The unique 24/7 continuous recording buffer stores all signals for 5 days; it is the key to our “never miss a meeting” motto. It allows you to always navigate back through the last 5 days and “record” and publish meetings afterwards. No worries, if you forgot to start a recording or the automated recording system did not work!

### Multiple security levels

To prevent unauthorized access and use of your recordings, SARA provides security settings that allow definition of access restrictions per meeting or per part of a meeting. The security level can be changed during the meeting.



### Live Streaming

The system will automatically start webcasting the Live Stream (UDP and RTMP format) when the meeting starts or resumes. The multi-lingual models will create a separate live stream for each language channel. Starting, pause and stopping the stream is controlled from the conference microphone systems, the room control system or by using the “remote control” web client interface.

### Live Metadata Display

SARA allows a smooth integration with microphone conference systems allowing automatic generating of live events metadata, such as “Speaker name”, “Agenda item” and “Voting results”. This information can be displayed along with the live stream or used during VOD file publishing.



### Create Video-on-Demand files

When the meeting is stopped, the SARA will create VOD files in MP4 format (AAC or MP3 for audio only systems). The multi-lingual models will produce one file for each language separately. Each file will have its own accompanying XML file describing the contents of the file, including metadata events.

### Create Preservation Master

Apart from the VOD files, the system will create one Preservation Masterfile, containing all audio and video tracks in one file. The accompanying XML file, will contain all relevant meeting information.

### Create offline copy on DVD or USB stick

Users can export meetings (audio and video) to a DVD or USB stick including metadata and recorded languages. The unique “E-Player” will be copied along.

The E-Player is a media player that automatically starts playing when plugged into a computer, to allow users to watch and listen to the meeting. It also allows easy navigation by clicking on the speaker name, agenda item etc. For multi-lingual recordings the E-player allows the user to select his preferred language track.



### Multi-lingual user interfaces

The SARA user interfaces are available in different languages.



## Technical Specifications

AV Interfaces	
Video input interface	SDI, HD-SDI, HDMI, Composite Video
Audio input interface	embedded SDI, embedded HDMI, balanced analogue, unbalanced analogue
Nr of Video inputs	1
Nr of Audio inputs	up to 8 mono
Video modes	
SDI / HD-SDI resolutions	525i59.94, 625i50, 720p50, 720p59.94, 720p60, 1080p25, 1080p29.97, 1080p30, 1080i50, 1080i59.94, 1080i60
SDI Compliance	SMPTE 259M and SMPTE 292M
Composite Video modes	720x480 @29,97 or @30 interlaced (NTSC) 720x576 @25Hz interlaced (PAL)
Encoding formats	
Video Coding	H.264 / MPEG-4 Part 10 (AVC), Baseline-, Main- or High Profile
Audio Coding	MPEG-4 AAC
Supported output stream formats	TSolP, RTP, UDP, RTMP
Video File format	MPEG2-TS, MP4
Internal storage capacity	5.5TB Redundant storage, or 11.000 meeting hours @ 1Mbit/s
Physical dimensions (Tower model)	
Height	16.8" (427 mm)
Width	7" (178 mm)
Depth	20.9" (531 mm)
Weight	39 lbs (17.7 kg)
Power	500W: 100 - 240V, 50-60Hz
Physical dimensions (Rackmount model)	
Width	17.2" (437mm)
Height	1.7" (43mm)
Depth	25.6" (650mm)
Weight	36 lbs (18.1kg)
Power	Redundant Powersupply 700W: 100 - 140 V, 50-60 Hz 750W: 200 - 240V, 50-60 Hz

	SARA-V1CT	SARA-V1ST	SARA-A4AT	SARA-A8AT	SARA-M8CT	SARA-M8ST	SARA-V1CR	SARA-V1SR	SARA-A4AR	SARA-A8AR	SARA-M8CR	SARA-M8SR
Nr of Video inputs	1	1	0	0	1	1	1	1	0	0	1	1
Nr of Audio inputs	1	1	4	8	8	8	1	1	4	8	8	8
SDI / HD-SDI input		●				●		●				●
HDMI input		●				●		●				●
Embedded audio (in SDI/HDMI)		●				●		●				●
Composite Video input	●				●		●				●	
Analogue audio inputs (bal/unbal)	●		●	●	●		●		●	●	●	
Multi-lingual, recording/streaming			●	●	●	●			●	●	●	●
Redundant Storage	●	●	●	●	●	●	●	●	●	●	●	●
Redundant Powersupply							●	●	●	●	●	●
Tower model	●	●	●	●	●	●						
Rackmount model							●	●	●	●	●	●



SARA Tower model



SARA Tower SDI/HDMI input



SARA Tower Composite Video input



SARA 19" Rackmount model



SARA 19" Rackmount SDI/HDMI input



SARA 19" Rackmount Composite Video input