SAMIM
Media & Communication Technologies

DLY-3420

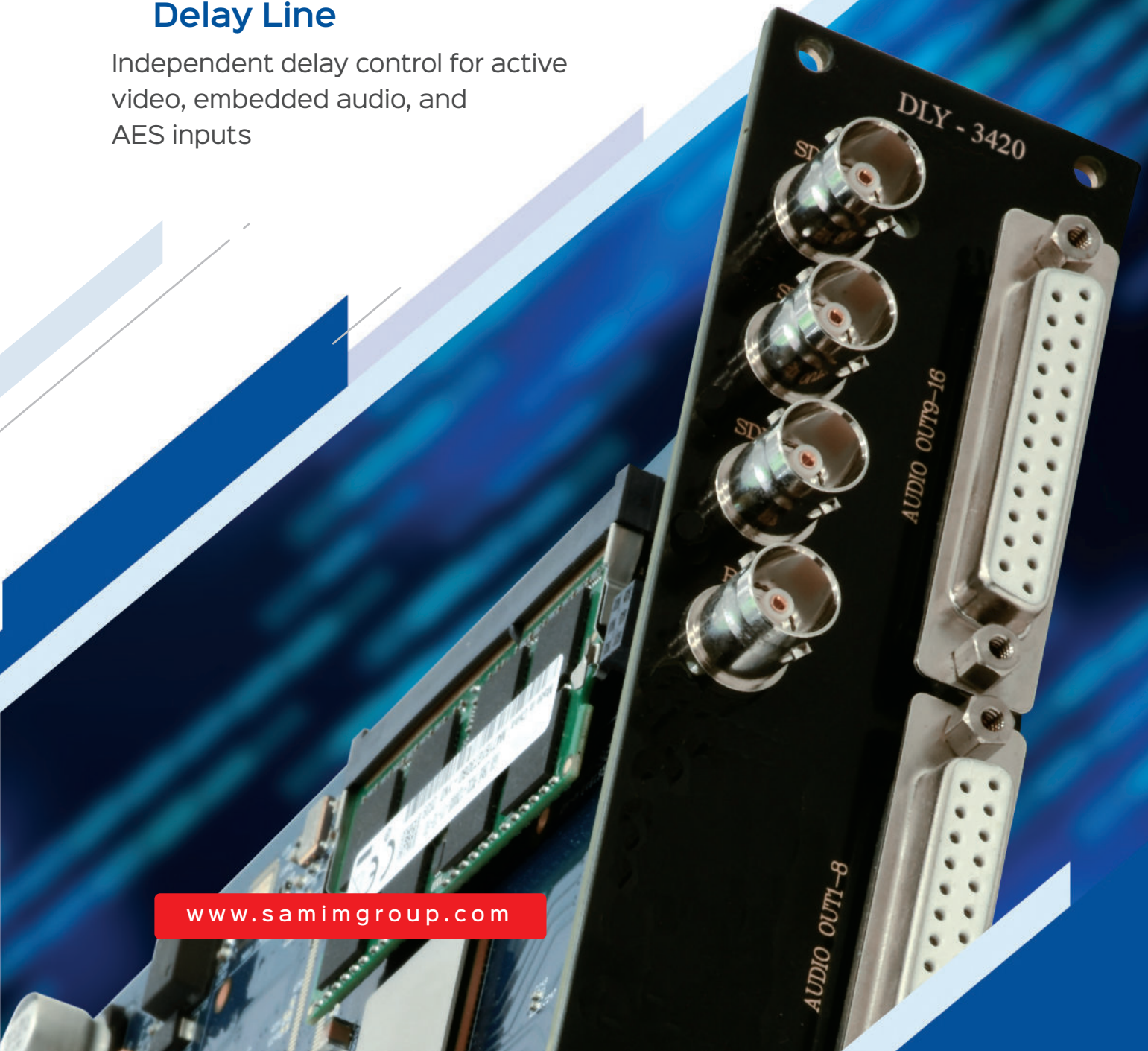3G-SDI   AES   SRM Module

▪ 3G / HD / SD - SDI and AES Delay Line

Independent delay control for active video, embedded audio, and AES inputs

Samim DLY-3420

3G / HD / SD - SDI and AES Delay Line

Samim DLY-3420 is a compact solution to apply desired delays on 3G / HD / SD - SDI video, embedded audio, and four AES inputs. The delays are directly applied on uncompressed signals, so that the quality stays completely intact.

DLY-3420 is capable of up to 4250 frames of delay for SD and up to 1120 frames of delay for 3G/HD videos. It also provides a maximum delay of 180 seconds for AES and embedded audio channels.

Streaming delays by Samim DLY-3420 are a great option, specially when to monitor live broadcast contents and to prevent unwanted, inappropriate or profanity contents from being mass published.

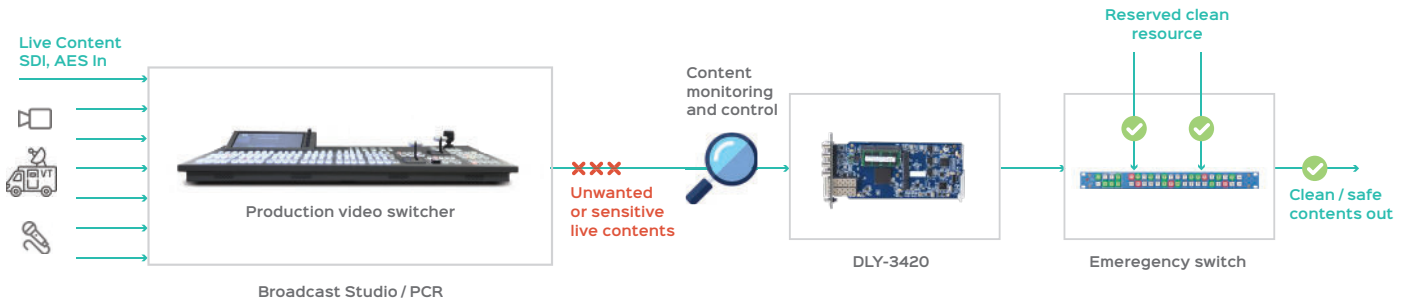Additionally The module features frame synchronization, timing adjustment, and ancillary data transparency.

Control and monitoring of the product can be performed using a web-based user-friendly interface, accessible securely through network protocols.

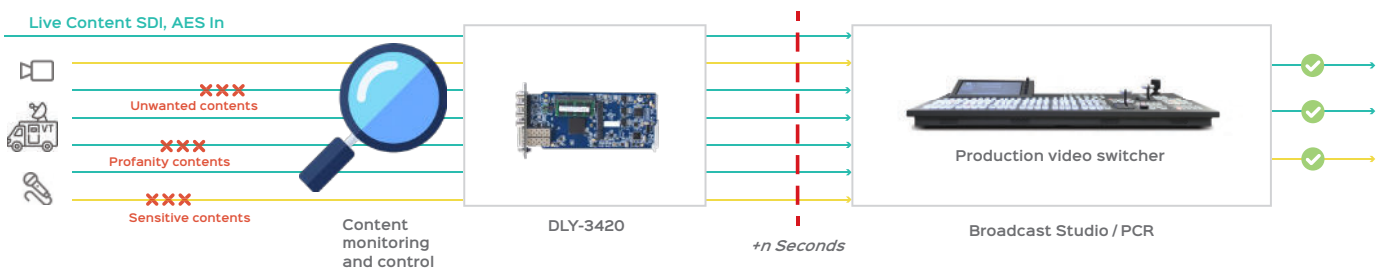## Key Benefits

- Separate delay controls for active video, embedded audio and AES inputs.
- Realtime content monitoring and control on PCR input / output streams
- Wide audio / video delay ranges
- Two identical outputs through BNCs
- Ancillary data support
- Frame synchronizer with Tri-level / Bi-level reference input
- Input loss compensation
- Web-based user interface
- Remote Firmware Upgrade

Key Applications

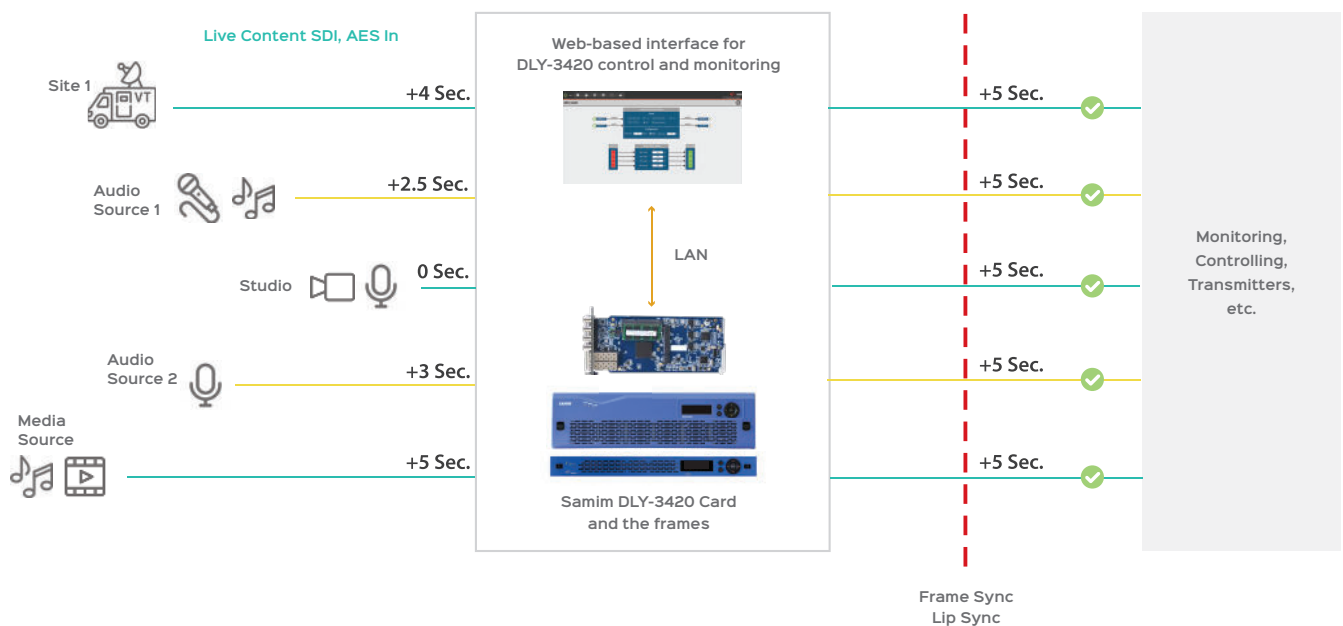## 1. Delays on live PCR output streams

Live Content SDI, AES In

Production video switcher

Broadcast Studio / PCR

Unwanted or sensitive live contents

Content monitoring and control

DLY-3420

Reserved clean resource

Emeregency switch

Clean / safe contents out

2. Delays on live PCR input streams

Live Content SDI, AES In

Unwanted contents

Profanity contents

Sensitive contents

Content monitoring and control

DLY-3420

+n Seconds

Production video switcher

Broadcast Studio / PCR

3. Timing Adjustments among asynchronous audio / video resources

4. Lip Syncs / Frame Synchronizations

Live Content SDI, AES In

Site 1 — +4 Sec.

Audio Source 1 — +2.5 Sec.

Studio — 0 Sec.

Audio Source 2 — +3 Sec.

Media Source — +5 Sec.

Web-based interface for DLY-3420 control and monitoring

LAN

Samim DLY-3420 Card and the frames

+5 Sec. (×5)

Monitoring, Controlling, Transmitters, etc.

Frame Sync Lip Sync

www.samimgroup.com

Samim DLY-3420; The Frame and the User Interface

To put DLY-3420 into operation, it needs to be inserted into dedicated Samim frames that are specially designed to provide the necessary power, cooling, control, and monitoring for the installed modules.

Samim Frames are high reliable as they benefit from "two" redundant 225W power supplies which ensures the operation continuity.

in addition, by a powerful and friendly web-based interface, users are able to track the overall state of DLY module in real-time.

They can also monitor, control, upgrade the firmware, configure the settings, view and export logs, check alarms, perfom access controls, ... both for DLY-3420 and for the Frame.

Through the web-based user interfaces of all Samim products, operators can easily perform controlling and monitoring tasks in real-time.