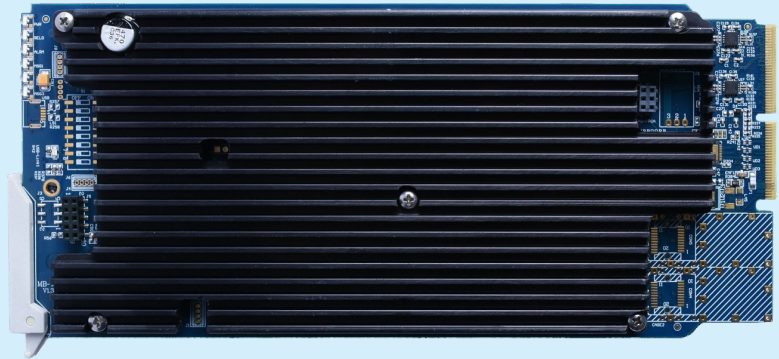


DLY-3420

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

2024 Datasheet



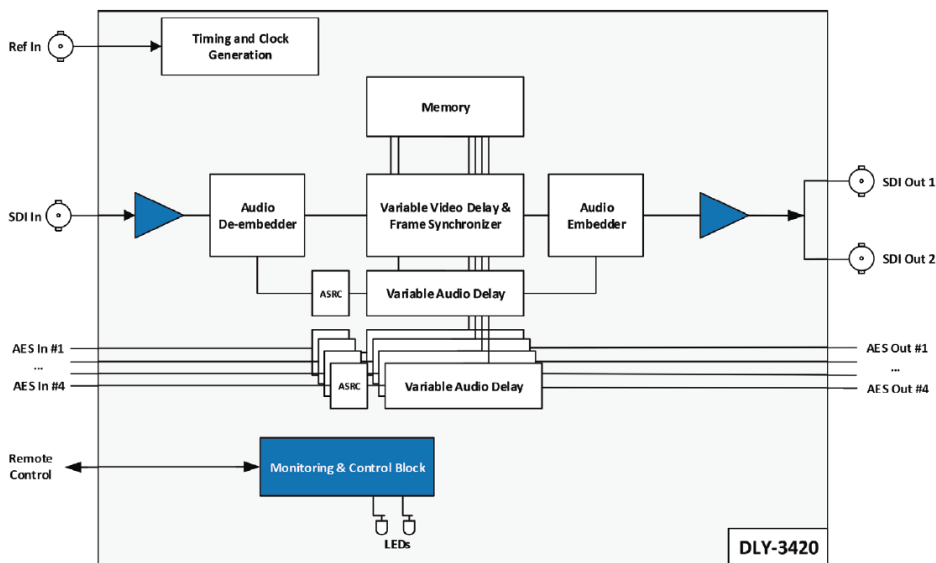
The DLY-3420 is a compact solution to apply desired delay on video, embedded audio, and four AES inputs. The uncompressed signals are directly delayed so that quality completely stays intact.

The module is capable of up to 4500 frames of delay for SD and up to 1120 frames of delay for HD/3G. The maximum delay for AES and embedded audio channels is equal to 170 seconds. The module also features frame synchronization, timing adjustment, and ancillary data transparency. Control and monitoring can be done using the user-friendly web-based user interface.

Key Features

- 3G/HD/SD-SDI with embedded audio support
- 4x AES inputs and 4x AES outputs (optional)
- Independent delay control for active video, embedded audio, and AES inputs
- Wide video delay range: 2 to 4500 frames in SD, 2 to 1120 frames in HD/3G
(180s in PAL, 44.8s in 1080i50, 22.4s in 1080p50)
- Wide audio delay range: 1 to 170,000 milliseconds
- Two identical outputs (BNC)
- Frame synchronizer with Tri-level / Bi-level reference input
- Ancillary data support
- Web-based user interface
- Remote Firmware Upgrade

Block Diagram



System Requirements

Type	Product	Description
Frame	SRM-0645	1RU Frame with Controller
	SRM-0655	3RU Frame with Controller

Ordering Information

Order Code	Description	Type
DLY-3420	3G/HD/SD-SDI and AES Delay Line Main Board	Main Board
DLY-3420-3DRP	Back-panel for DLY-3420/3400 (compatible with SRM-0655)	Back Panel
DLY-3420-1DRP	Back-panel for DLY-3420/3400 (compatible with SRM-0645)	Back Panel
MOD-APP-DAI4O4	4-Channel Digital Stereo Audio Input + 4-Channel Digital Stereo Audio Output Module	Option for Audio I/O Slot #1

With over two decades of extensive experience in the broadcast and media industry, Samim Group has emerged as a rapidly growing manufacturer and developer of professional-grade hardware and software solutions that cater to Broadcast Production Infrastructure, Intercom Systems, and Media Business Automation. We remain attuned to the latest technological advancements, ensuring we deliver high-standard solutions and products that can be marketed globally.

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