

# DLY-3421

1RU 3G/HD/SD-SDI and AES Delay Line

2023 Datasheet



The DLY-3421 functions as a standalone device, offering a single-channel SDI and multi-channel digital audio delay line. It has the capability to independently introduce desired delays to active video, embedded audio, and 4-channel AES inputs.

This product, the DLY-3421, serves a crucial role in adjusting delays within the signal chain and in controlling content to prevent the use of profanity. It handles frame synchronization in relation to a reference input or a free-run clock, and it provides 3 identical SDI outputs. Moreover, it includes bypass relay protection for both SDI and AES outputs, enhancing reliability within the chain.

For configuration and monitoring purposes, users have the option to utilize both the front-panel controls and the web-based interface.

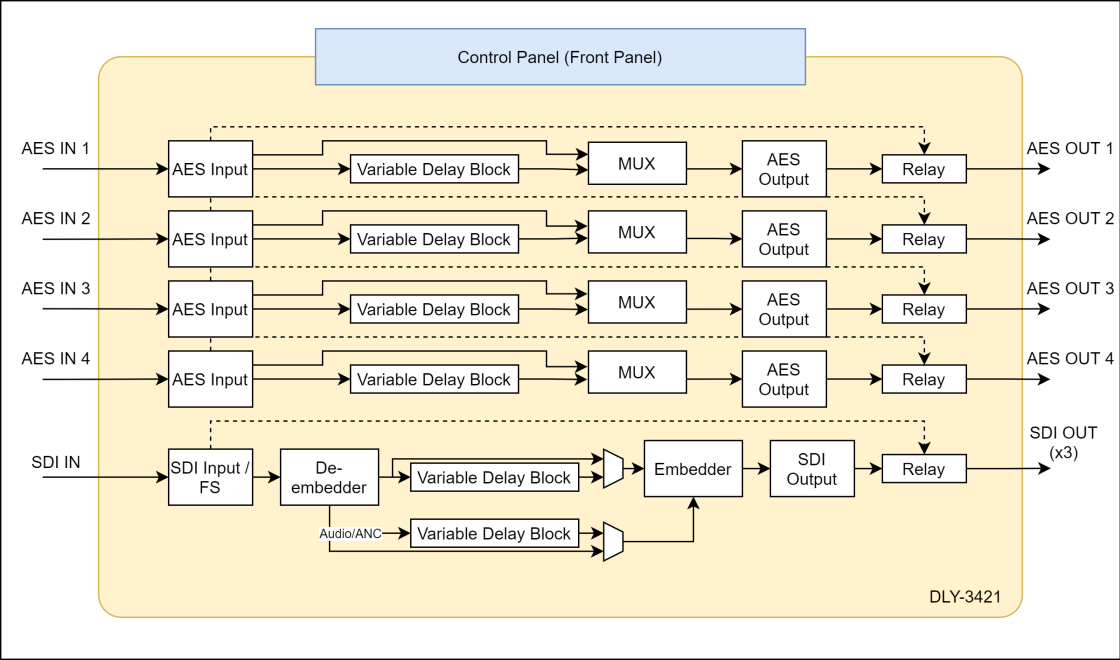
## Main Features

- 1RU rackmount case with integrated front control panel (depth 370mm)
- Supports 3G/HD/SD-SDI & AES (48kHz) inputs
- Independent delay control for active video, embedded audio, and AES inputs
- Wide video delay range: 2 to 4250 frames in SD, 2 to 1120 frames in HD/3G
- Wide audio delay range: 1 to 170,000 milliseconds
- Input loss compensation
- SDI frame synchronization
- Relay protection for SDI and AES outputs
- No quality impacts due to raw data operation (No encode and decode)
- Web-based user interface
- Remote firmware upgrade
- Redundant power supplies

Rear View



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-3421-C1	1RU 3G/HD/SD-SDI and AES Delay Line with Front Control Panel and Redundant Power Supplies	Base
MOD-TSP-DAI404R	4-CH Digital Stereo Audio Input + 4-CH Digital Stereo Audio Output Module with Relay	Optional I/O Module

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