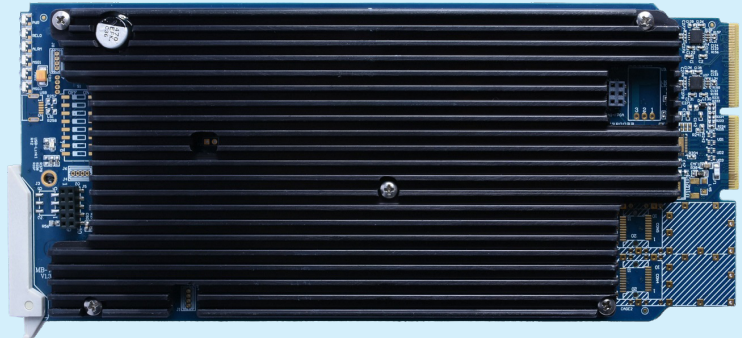


# SAE-3390

3G/HD/SD-SDI Audio Embedder

2024 Datasheet

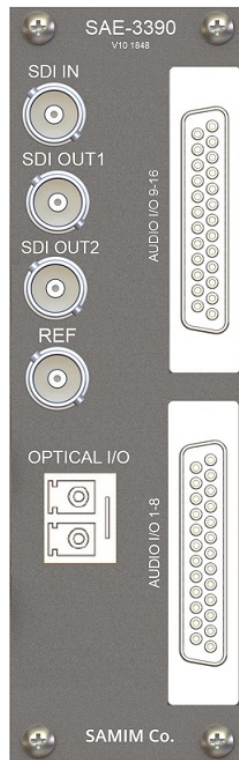


The SAE-3390 is a compelling and flexible solution for embedding eight audio pairs to a 3G/HD/SD-SDI signal from analog/digital audio inputs or previously embedded audio channels. The audio processor core can delay audio pairs for up to 10 seconds and apply desired gain. The module also features optical I/O, frame synchronization, timing adjustment, ancillary data transparency, and test tone/pattern generation. Control and monitoring can be done using the user-friendly web-based user interface and frame front control panel.

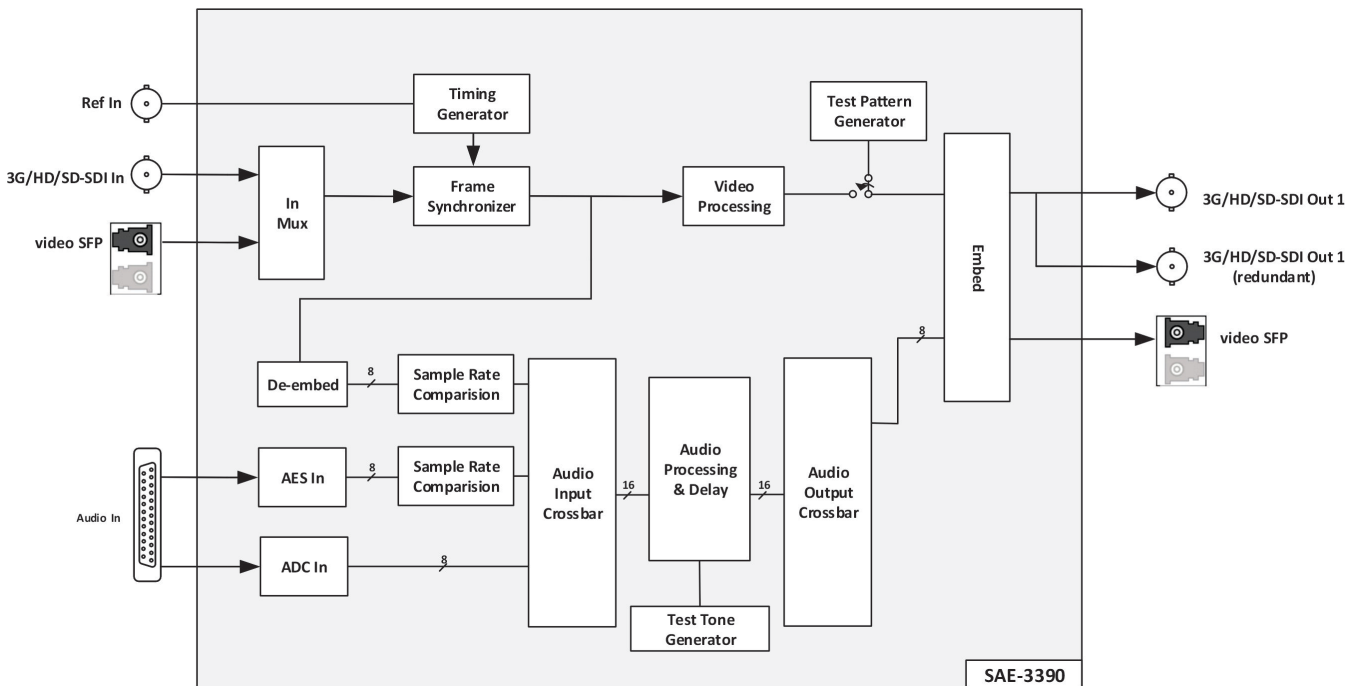
## Key Features

- Eight pair audio embedder
- Up to x8 AES inputs
- Up to x8 analog mono audio inputs
- Frame synchronizer with tri-level or bi-level reference input
- Horizontal/Vertical timing adjustment respect to reference input
- Auto freeze, black, last frame, or pattern on input video loss
- Internal pattern and test tone generator
- Audio processor: Any to any input/output pair routing, gain control on each channel, invert and mute control on each channel, swap left/right audio of each pair, silence/overload detection
- Audio delayer: Up to 10 seconds for each processed pair (1ms steps)
- Easy configuration via web-based user interface
- Firmware Remote Upgrade
- Optical I/O via an SFP \*
- Two identical outputs (BNC)
- Two audio I/O slots
- Ancillary data transparency \*

Back Panel



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
SAE-3390	3G/HD/SD-SDI Audio Embedder and Frame Synchronizer	Main Board
SAE-3390-3DRP	Back-panel for SAE-3390 (compatible with SRM-0655)	Back panel
SAE-3390-1DRP	Back-panel for SAE-3390 (compatible with SRM-0645)	Back panel
MOD-APP-DAI8	8-Channel Digital Stereo Audio Input Module	Option for Audio I/O Slot #1
MOD-APP-DAI4	4-Channel Digital Stereo Audio Input Module	Option for Audio I/O Slot #1
MOD-APP-AAI8	8-Channel Analog Mono Audio Input Module	Option for Audio I/O Slot #2
MOD-APP-AAI4	4-Channel Analog Mono Audio Input Module	Option for Audio I/O Slot#2
FBR-0259	Video SFP Transceiver, 270M~2.97Gbps, 10km, TX 1310nm, RX 1260~1620nm	Accessory

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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