



Video Production Technology

FSD-8240 HD / SD SDI Frame Synchronizer with Dolby Decoding

Frame synchronizing with Dolby® Digital/E decoding and audio embedding / de-embedding.



The FSD-8240 is an HD / SD SDI frame synchronizer and Dolby® decoder with 16 channels of audio embedding or de-embedding. When Dolby® Digital or Dolby® E is present on a discrete AES pair or on an embedded audio pair, the decoder produces up to 10 decoded channels, according to the Dolby® sub-format received by the metadata. The resulting channels are then available for mapping, inversion and level adjustment and then embedded into the video signal.

The FSD-8240 offers glitch-free handling of embedded audio during frame synchronization and a user-adjustable offset to the frame sync to align the Dolby® delay. Video and audio processing controls as well as flexible timecode processing, closed captioning support and AFD code insertion, provide complete signal management for all incoming signals.

The FSD-8240 can embed Dolby® metadata on the SDI output, sourced from either SDI input video or from the decoder as desired. With the optional analog / metadata rear module's Dolby® Meta output can provide RS-485 metadata for downstream devices or systems. Metadata on the Dolby® Meta RS-485 output can also be sourced from either SDI input video or from the decoder as desired.

Key Features

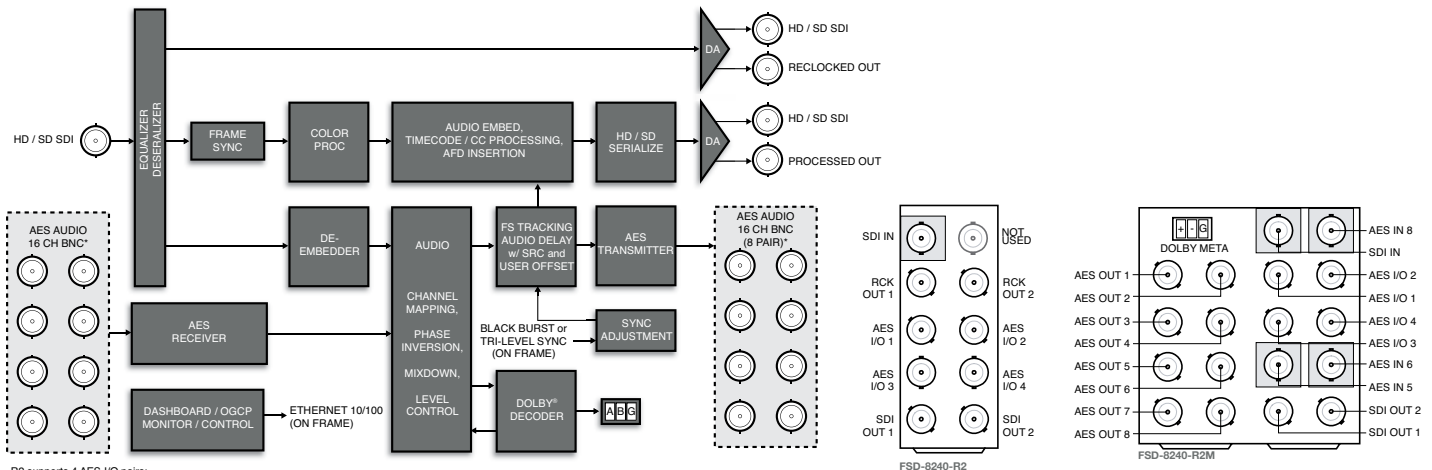
- Handles all popular formats of SD (270Mb/s) and HD (1.485Gb/s) signals
- Glitch-free handling of embedded audio when a frame is dropped or duplicated
- Dolby® Digital and Dolby® E decoding with optional metadata output
- 16 channels of discrete audio embedding or de-embedding
- User offset to frame sync to align Dolby® delay
- AFD code insertion
- HD / SD closed captioning and flexible timecode support
- Frame sync with up to 13 frames of user-adjustable delay
- 4 internal tone generators
- 5-year transferable warranty

Ordering Information

HD / SD SDI Frame Synchronizer with Dolby® Decoding
FSD-8240 HD / SD SDI Frame Sync
w/ Dolby® Decoder

Rear Module Suffix (ex: [model]-R2)

-R2 Rear Module for FSD-8240
-R2M Metadata Rear Module for FSD-8240



-R2 supports 4 AES I/O pairs;
-R2M supports 8 AES I/O pairs.
Dolby® Metadata port is only available with the -R2M rear module.