

# SDI24A

## High Definition or Standard Definition SDI Encoder w/CC

The **SDI24A** high-definition or standard-definition encoder module generates an MPEG-2 or MPEG-4/H.264 video stream derived from an SD or HD-SDI source, with Dolby® AC3 or MPEG1-Layer 2 audio.

This module is designed to be installed into our **EH244** or **MEQ1000**-style platforms, which provides the control and output interface to the unit. This configuration of encoder module and host chassis provides the ultimate in bandwidth management and economy by allowing multiple HD and SD streams to be multiplexed together dependent upon the limitations of the bandwidth of the chosen output: QAM and/or ASI.

The **SDI24A** encoder accepts broadcast type SDI or HD-SDI video with embedded audio. The **SDI24A** is also provisioned with a set of RCA L+R inputs for adding audio from an analog source.



### Features & Benefits

- Accepts HD/SD-SDI Video Input
- Supports MPEG-2 or H.264 Encoding
- Supports Encoding Bit Rate from up to 19 Mbps
- AC3-Dolby® Digital Stereo, MPEG1-Layer2 (MP2) Audio

### Applications

Broadcast, Hospitality, Health Care, Commercial, Government/Military, Digital Signage, Cable Networks

<u>Model</u>	<u>Item #</u>	<u>Description</u>
SDI24A	1002516A	High Definition SDI Encoder w/CC

# TECHNICAL DATA & SPECIFICATIONS

## DRAKE SDI24A HIGH DEFINITION SDI ENCODER W/CC - 1002516A

### VIDEO INPUTS:

SD-SDI / HD-SDI Video:	1 x 75-ohm HD-SDI capable input
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### AUDIO INPUTS:

RCA-type L + R:	1 x 1Vrms nominal, 3.5Vrms maximum
SDI-embedded Audio:	Supports PCM (uncompressed) digital audio from SDI

### VIDEO OPTIONS:

Input Video Modes Supported:	480i ( 720×480 @ 30 fps ), 576i ( 720×576 @ 25 fps ), 720p @ 60 Hz ( 1280×720 @ 60 fps ), 1080i @ 30 Hz ( 1920×1080 @ 30 fps ), 1080i @ 25 Hz ( 1920×1080 @ 25 fps ) Supports auto-scan for input resolution
Encoder Format:	MPEG-2 or MPEG-4 / H.264
Video Adjustments:	Brightness, Contrast, Hue, Saturation
MPEG-4 Profile Support:	Simple, Advanced Simple, High
Bit Rate:	Up to 19 Mbps (depending on input format)
Closed Captioning:	Supports Closed Captioning extraction of either EIA-608 or EIA-708 embedded data

### AUDIO OPTIONS:

Encoder Format:	Dolby® Digital or MPEG1-Layer 2
Output Bit Rate:	128, 192, 320, 384 kbps

*Specifications, price, and availability are subject to change without notice or obligation.*

## Compatible with:

Item #	Model & Description
1002511B	MEQ1000B - Multiplexing Hybrid QAM Modulator

Item #	Model & Description
1002568	EH244 Quad QAM Encoder Host
1002569	EH244 Quad QAM and ASI Encoder Host
1002578	EH244 IP Only Encoder Host
1002579	EH244 IP and QAM ASI Encoder Host
1002580	EH244 IP and Quad QAM Encoder Host
1002593	EH244 QAM, IP, and ASI Encoder Host