



# SDE24A

## Standard Definition Dual Video Encoder

The **SDE24A** module can encode up to two input sources, source 1 and source 2 in real-time. The module may be configured to encode both sources 1 & 2 in either MPEG-2 or MPEG-4/H.264 transport streams. Thus each Encoder Module can output either one or two MPEG-2 streams, one or two MPEG-4 streams, or one MPEG-2 and one MPEG-4 stream.

Each **SDE24A** module provides two sets of input connectors for NTSC composite with stereo audio. Audio is encoded using Dolby® AC-3 encoding.



## Features & Benefits

- **Analog to Digital encoding**

The Drake SDE24A Standard Definition Encoder Module receives up to two input sources via NTSC Composite with stereo audio.

- **MPEG2 or MPEG4 compression for bandwidth efficiency**

Input 1 & 2 on the SDE24A can encode analog signals to either MPEG-2 or MPEG-4/H.264 transport streams. Each SDE24A Encoder Module can output as one MPEG-2 stream, two MPEG-2 streams, two MPEG-4 stream or one MPEG-2 stream and one MPEG-4 stream.

- **Dolby® Digital AC-3 audio compliant**

Audio output is rated as Dolby® Digital AC-3 compliant.

## Applications

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

Model	Item #	Description
SDE24A	1002514A	Standard Definition Dual Video Encoder



## TECHNICAL DATA & SPECIFICATIONS

**DRAKE SDE24A STANDARD DEFINITION DUAL VIDEO ENCODER - 1002514A**

### ANALOG INTERFACE:

Composite Video Inputs:	2 composite inputs, one for each program/source
Composite Video Input Level:	1 Volt p-p $\pm$ 3 dB
Audio Inputs, for 2 Programs:	RCA type for L + R audio channels, 2 sets
Audio Input Level:	1 Vrms or 2 Vrms user-selectable and user-adjustable audio gain $\pm$ 15 dB

### MPEG ENCODER:

Encode Format – #1 Input:	MPEG2 or MPEG4/H.264, selectable
Encode Format – #2 Input:	MPEG2 or MPEG4/H.264, selectable
NOTE: Each Encoder module has two sets of inputs marked 1 and 2. Number 1 input from all installed modules will appear as odd-numbered encoders in the MEQ1000B, EH24A or EH244 menu. Likewise, number 2 SDE24A inputs will correspond to even-numbered encoders in the EH24A menu.	
Input Encoding Bit Rate:	Constant Bit Rate: 1 Mbps to 8 Mbps
Encoding Resolution:	720 X 480 (Standard Definition)
Video Adjustments:	Brightness, Contrast, Saturation, Hue

### AUDIO ENCODER

Selectable Types:	AC3 – Dolby® Digital Stereo or MPEG1, Layer 2 (MP2)
Dolby Digital Encoder:	Manufactured under license from Dolby Laboratories
Output Bit Rate:	Variable; 128-320 kps
Output:	The output of the SDE24A Encoder Module is connected internally to the multiplexers that are included in the MEQ1000B, EH24A Series, and EH244 Series' chassis.

### 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