

# 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