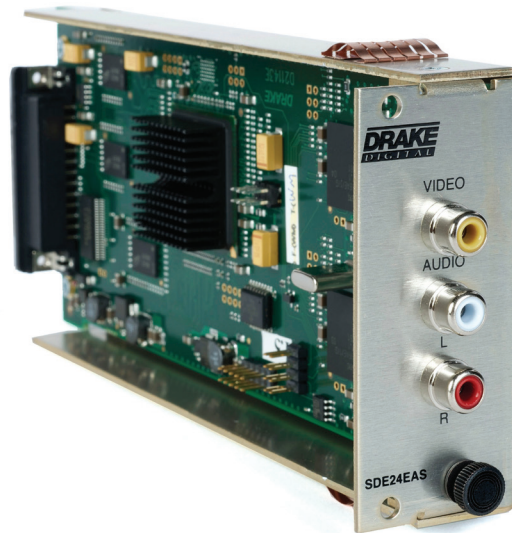# SDE24EAS

## EAS (Emergency Alert System) SD Encoder Module

The transition to digital TV distribution provides new methods of implementation. Drake has developed a specialized **SDE24EAS** encoder module to digitize legacy analog EAS receivers for digital distribution.

EAS is national public warning system in the United States. The system may be used by federal, state or local authorities to deliver important emergency information. EAS or any "All Call" system is designed to override all channels with the EAS or "All Call" information. Most EAS or "All Call" systems have been analog based.

The EAS receiver activates the **EH24**, or **EH244** encoder host EAS or "All Call" mode by providing a contact closure. Once EAS is activated the Encoder Host will replace all PIDS with the encoded EAS message from the **SDE24EAS** encoder so that all programs contain the message.



## Features & Benefits

• Digitally Encodes to MPEG-2 or MPEG-4/H.264
• Encodes to resolutions of 480i, 480p, 720p, or 1080i
• Audio Encoding to Dolby® Digital or MPEG1-Layer2
• Supports Closed Captioning
• GUI-based Remote Network Control and Monitoring
• 2-to-1 HD Program Encodes offer greater bandwidth efficiency
• Compact Single 1RU Rack Space chassis for economical footprint
• MPEG-4/H.264 compression for lower bit rate consumption
• GUI-based Remote Control for Ease of Use

## Applications

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

| Model | Item # | Description |
|---|---|---|
| *SDE24EAS* | *1002556* | *EAS (Emergency Alert System) SD Encoder Module* |

## ANALOG INTERFACE:

| | |
|---|---|
| Video Input: | 1 RCA-type composite video port |
| Composite Video Input Level: | 1 Volt p-p ± 3 dB |
| Audio Input: | RCA-type for L + R audio channels |
| Audio Input Level: | 1 Vrms - user-selectable and user-adjustable audio gain ± 15 dB |

## VIDEO ENCODER:

| | |
|---|---|
| Video Encode Format: | MPEG-2 or MPEG-4/H.264 |
| Input Encoding Bit Rate: | 1 to 8 Mbps (CBR) |
| Video Adjustments: | Brightness, Contrast, Saturation, Hue |

## AUDIO ENCODER:

| | |
|---|---|
| Audio Encode Formats: | Stereo Dolby Digital® AC-3™ audio, OR MPEG1, Layer 2 (MP2) |
| Dolby Digital Encoder: | Manufactured under license from Dolby Laboratories |

## OUTPUT:

| | |
|---|---|
| The SDE24EAS Encoder Module is internally connected to the multiplexers of the Drake EH24A, EH244 / EH244A, or EH244-IP / EH244-IPQ / EH244-IPA Encoder Host Chassis.  Program stream output performance specifications can be found in your Drake Encoder Host Chassis' manual. | |
| Output Bit Rate: | 128, 192, 320, or 384 Kbps, User-selectable from Ethernet control interface |

## PHYSICAL SPECIFICATIONS:

| | |
|---|---|
| Temperature Rating: | 0 to + 50 degree C, ambient |
| Form Factor: | 2RU High modular |
| Dimensions: | 1 ⅜" W x 3 ¼" H x 8" D |
| Weight: | 0.5 lbs. |
| Power Requirements: | 90 to 264 VAC / 47 - 63 Hz, 70 W maximum (rating prescribed to the Drake EH24A) |

## 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 |

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