

# HDE24A

## High Definition Video Encoder

The **HDE24A** HD encoder module generates an MPEG-2 or MPEG-4/H.264 video stream, with Dolby® AC3 or MPEG1-Layer2 audio.

This **HDE24A** is designed to be installed into our **EH244** or **MEQ1000B** platform, 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 **HDE24A** accepts non-encrypted HDMI or component video inputs and can inject Closed-Captioning data from a synchronized Composite video source (by the same decoder that produces the HD video stream is recommended). Composite analog audio inputs provide the audio source when component video inputs are used. Typically HDMI has embedded audio but if the HDMI is derived from a source converter that does not provide audio, such as DVI-to-HDMI, then the analog composite inputs may be used



## Features

- Accepts non-encrypted HDMI, Component or Composite video input
- Supports MPEG-2 or H.264 encoding
- Supports Encoding Bit Rate from Up to 19 Mbps
- Supports AC3-Dolby® Digital Stereo, MPEG1-Layer2 (MP2) Audio

## Applications

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

<u>Model</u>	<u>Item #</u>	<u>Description</u>
HDE24A	1002515A	High Definition Video Encoder

# TECHNICAL DATA & SPECIFICATIONS

## DRAKE HDE24A HIGH DEFINITION VIDEO ENCODER - 1002515A

VIDEO INPUTS:	
HDMI:	1 x HDMI Input – to protect copyrighted content, this encoder does not support HDMI copy protection (HDCP)
Component Video:	1 x HD Component (YCrCb) Video Input
Composite Video:	1 x 1V p-p +/- 3 dB, 480i only
Closed Captioning Input:	1 x 1V p-p +/- 3 dB, 480i Composite Video (used for Closed Captioning data extraction during HD encoding)

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

VIDEO OPTIONS:	
Input Video Modes Supported:	480i ( 720x480 @ 30 fps ), 480p ( 720x480 @ 60 fps ), 720p @ 60 Hz ( 1280x720 @ 60 fps ), 1080i @ 30 Hz ( 1920x1080 @ 30 fps ) Supports auto-scan for input resolution
Encoder Format:	MPEG2 or MPEG4 / H.264_Supports auto-scan
Video Adjustments:	Brightness, Contrast, Hue, Saturation
MPEG4 Profile Support:	Simple, Advanced Simple, High
Bit Rate:	Up to 19 Mbps (depending on input format)

AUDIO OPTIONS:	
Encoder Format:	Dolby® Digital AC-3 or MPEG1-Layer 2
Output Bit Rate:	Variable; 128-320 kps

*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