

# DRAKE PEG PLUS HEVC

MPEG-2, H.264, OR HEVC DIGITAL VIDEO PEG CHANNEL ENCODER



## KEY FEATURES

- » Built-in watchdog timer with system reboot capability
- » VLAN support for streaming and traffic management
- » Unicast, Multicast, and SRT Output Formats
- » ATSC PSIP tables support
- » User-defined PID configuration
- » DVB Service Information Table Generation (NIT+SDT)
- » Field-Upgradable Firmware
- » Separate Management Port and Streaming Port
- » Configuration and Shutdown Control via HTTP Server UI and Programmable API

## PRODUCT OVERVIEW

The **Drake PEG PLUS HEVC** is a stand-alone digital video PEG channel encoder capable of encoding one HD and one SD output stream of the same content in either MPEG-2, MPEG-4/H.264, or HEVC/H.265 formats. This encoder features a single SD/HD-SDI or Composite video input, and an IP-encapsulation output via a single SFP Ethernet port or 1Gbps RJ45 Ethernet port.

Audio options include selectable SDI PCM-embedded audio or analog left/right audio, offering compression choices of Dolby® Digital or AAC stereo. A separate 1Gbps RJ45 Ethernet port is provided for control and monitoring.

## ORDERING INFORMATION



MODEL	STOCK#	DESCRIPTION
Drake PEG PLUS HEVC	<b>1002613C</b>	MPEG-2, H.264 or HEVC HD PEG Encoder
Drake PEG-RP-2	<b>1002644B</b>	Rack Mount Panel for (2) PEG PLUS units

# DRAKE PEG PLUS HEVC

## SPECIFICATIONS



### INPUT

<b>Video Inputs</b>	1x RCA Composite; 1x BNC SD/HD-SDI
<b>Audio Inputs</b>	1x BNC SDI (PCM-Embedded Audio); 2x RCA (L, R) - Analog Audio
<b>Supported</b>	Closed Caption Audio Gain Adjustment
<b>Control</b>	1x Front Panel RJ45 GigE (1Gbps)

### VIDEO

<b>Video Resolution</b>	480i (640x480 / 720x480 @ 30 FPS) 720p (1280x720 @ 60 FPS) 1080i (1920x1080 @ 30 FPS) AUTO-SCAN for Input Resolution
-------------------------	-------------------------------------------------------------------------------------------------------------------------------

### AUDIO

<b>Audio Format</b>	L-PCM (IEC-60958) at up to 192 kHz
---------------------	------------------------------------

### ALARMS & MONITORING

<b>Local Monitoring</b>	1x Power LED (bicolor) 1x Input LED (bicolor) 1x Encoding LED (bicolor) 1x Output LED (bicolor)
<b>Local Control</b>	1x IP Reset Button
<b>Remote Monitor/Control</b>	1x RJ45 GigE (1Gbps) GUI-based menu via standard web browser

### GENERAL

<b>Dimensions (W x H x D)</b>	8.7 x 2.0 x 7.6 in (221 x 51 x 193 mm)
<b>Form Factor</b>	Desktop (rack panel sold separately)
<b>Power Requirements:</b>	<b>External Power Supply</b> Input 100/120VAC, 60Hz Output +5VDC @ 4.0A
<b>Power Consumption</b>	25 W
<b>Weight</b>	1.5 lbs (0.68 kg)
<b>Temperature Rating</b>	32 to 122 °F (0 to 50 °C)

### OUTPUT

<b>Connectors</b>	1x RJ45 GigE Output (1Gbps) 1x SFP Module Port Output, Fiber Optic or RJ45 (Plug-In sold separately)  <b>Either SFP or RJ45 may be used for Output</b>
-------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------

### IP OUTPUT

<b>IP Protocols</b>	UDP; RTP; SRT
<b>Streaming Protocols</b>	Unicast, Multicast
<b>SRT Protocols</b>	Specifications - <a href="http://www.SRTalliance.org">www.SRTalliance.org</a>

### SPTS STREAM PROTOCOLS

<b>Standard</b>	ISO/IEC 13818-1 Systems
<b>Encoding Type</b>	VBR; CBR (or Capped VBR) - 3Mbps to 27Mbps
<b>Streams Supported</b>	2x SPTS
<b>Video Bitrate</b>	2 Mbps to 19 Mbps (0.1 Mbps increments)
<b>Packet Format</b>	UDP SPTS (up to 1x HD and 1x SD stream)

### ENCODED VIDEO

<b>Video Resolution</b>	1080p (30 FPS); 1080i (60 FPS); 720p (30, 60 FPS); 480p (30, 60 FPS); 480i (60 FPS)
<b>Video Format</b>	MPEG-2; H.264 (AVC); H.265 (HEVC)
<b>Video Adjustments</b>	Brightness, Contrast, Hue, Saturation
<b>H.264 Profile Support</b>	Baseline, Main, High

### ENCODED AUDIO

<b>Audio Formats</b>	Dolby® Digital AC3 or AAC
<b>Audio Output Bitrates</b>	128, 192, or 256 Kbps

# DRAKE PEG PLUS HEVC

MPEG-2, H.264, OR HEVC DIGITAL VIDEO PEG CHANNEL ENCODER

## I/O OVERVIEW



## ORDERING INFORMATION



MODEL	STOCK#	DESCRIPTION
Drake PEG PLUS HEVC	<b>1002613C</b>	MPEG-2, H.264 or HEVC HD PEG Encoder
Drake PEG-RP-2	<b>1002644B</b>	Rack Mount Panel for (2) PEG PLUS units



**SALES DEPARTMENT**  
sales@blondertongue.com

**CUSTOMER SERVICE**  
custsvc@blondertongue.com

---

**CONNECT WITH US**

