



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, MP3 stereo, or AAC stereo. A separate 1Gbps RJ45 Ethernet port is provided for control and monitoring.

ORDERING INFORMATION



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

DRAKE PEG PLUS HEVC

SPECIFICATIONS



INPUT	
Video Inputs	1x RCA Composite; 1x BNC SD/HD-SDI
Audio Inputs	1x BNC SDI (PCM-Embedded Audio); 2x RCA (L, R) - Analog Audio
Supported	Closed Caption Audio Gain Adjustment
Control	1x Front Panel RJ45 (1Gbps)
VIDEO	
Video Resolution	480i (640x480 / 720x480 @ 30 FPS) 720p (1280x720 @ 60 FPS) 1080i (1920x1080 @ 30 FPS) AUTO-SCAN for Input Resolution
AUDIO	
Audio Format	L-PCM (IEC-60958) at up to 192 kHz
ALARMS & MONITORING	
Local Monitoring	1x Power LED (bicolor) 1x Input LED (bicolor) 1x Encoding LED (bicolor) 1x Output LED (bicolor)
Local Control	1x IP Reset Button
Remote Monitor/Control	1x RJ45 (1Gbps) GUI-based menu via standard web browser
GENERAL	
Dimensions (W x H x D)	8.7 x 2.0 x 7.6 in (221 x 51 x 193 mm)
Form Factor	Desktop (rack panel sold separately)
Power Requirements:	External Power Supply Input 100/120VAC, 60Hz Output +5VDC @ 4.0A
Power Consumption	25 W
Weight	1.5 lbs (0.68 kg)
Temperature Rating	32 to 122 °F (0 to 50 °C)

OUTPUT	
Connectors	1x SFP Module Port (<u>SFP OUTPUT</u>) (Plug-In sold separately) 1x 1Gbps RJ45 Port (<u>DATA</u>) Either SFP or RJ45 may be used for Output
SPTS STREAM PROTOCOLS	
Standard	ISO/IEC 13818-1 Systems
Profiles	Single
Encoding Type	CBR or Capped VBR
Streams Supported	2
Video Bitrate	2 Mbps to 19 Mbps (0.1 Mbps increments)
Packet Format	UDP SPTS (up to 1x HD and 1x SD stream)
Zixi	UDP Transport Stream Protocol
ENCODED VIDEO	
Video Resolution	1080p (30 FPS); 1080i (60 FPS); 720p (30, 60 FPS); 480i (30, 60 FPS)
Video Format	MPEG-2; H.264 (AVC); H.265 (HEVC)
Video Adjustments	Brightness, Contrast, Hue, Saturation
H.264 Profile Support	Baseline, Main, High
ENCODED AUDIO	
Audio Formats	Dolby® Digital AC3, AAC, or MP3
Audio Output Bitrates	128 or 192 Kbps

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I/O OVERVIEW



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