The **PEG PLUS** is a stand-alone MPEG-2 or H.264 digital video PEG channel encoder with a single SD/HD-SDI, or composite video input, and an IP-encapsulation output via a single SFP Ethernet port. A separate RJ45 10/100 Ethernet port is provided for control and monitoring capability.

The **PEG PLUS** features selectable SDI PCM-embedded audio, or analog left and right audio. Audio compression can be either Dolby® Digital, MPEG1-Layer 2 stereo, or AAC stereo.

An optional Zixi output protocol is also available to provide the ability to stream content in H.264 format over an unmanaged network, including the public internet. The Zixi UDP-based video optimized protocol provides professional broadcasters, sports networks, and service providers a mechanism to adapt to the public internet using standard IP networks as a way to ingest and transport broadcast quality video.

An optional rack mount panel is available for up to (2) PEG PLUS encoders.

**FEATURES**

- MPEG-2 or H.264 video encoding
- Selectable SD/HD-SDI or Composite video input
- Encodes two HD or SD streams of the same content in either MPEG-2 or MPEG-4/H.264 formats
- Supports video resolutions of 480i, 720p, or 1080i
- Selectable SDI PCM-embedded audio or analog L+R audio
- Dolby® Digital, AAC, or MPEG1-Layer 2 stereo audio encoding from PCM-embedded audio source
- IP output via SFP port *(SFP sold separately)*
- Unicast and multicast capable
- Separate Management port and streaming port
- Built-in watchdog timer with system reboot capability
- Field-upgradable firmware
- Configuration and shutdown control via HTTP server UI and programmable API
- Supports VLAN & QoS for streaming or traffic mgmt.
- SNMP V2
- User-defined PID configuration
- Supports ATSC PSIP tables
- DVB Service information table generation (NIT+SDT)
- Insert custom screen message upon loss of video
- Compositing support to add program PNG logo file

<table>
<thead>
<tr>
<th>Model</th>
<th>Item #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEG PLUS</td>
<td>1002613B</td>
<td>MPEG-2 or H.264 HD PEG Encoder with HD-SDI or Composite Input and IP Output</td>
</tr>
<tr>
<td></td>
<td>1002613B Z</td>
<td>MPEG-2 or H.264 HD PEG Encoder with Zixi Option</td>
</tr>
<tr>
<td>PEG-RP-2</td>
<td>1002644B</td>
<td>Rack Mount Panel for (2) PEG PLUS units</td>
</tr>
</tbody>
</table>

© Copyright 2017 R.L. Drake Holdings, LLC. All rights reserved.
PEG PLUS • Item # 1002613B
MPEG-2 or H.264 Digital Video PEG Encoder with HD-SDI or Composite Input and IP Output

TECHNICAL DATA and SPECIFICATIONS

AUDIO OPTIONS
ENCODER FORMAT: Dolby Digital, AAC, or MPEG1-Layer 2
OUTPUT BIT RATE: 128, 192, 224, or 384 Kbps

Manufactured under license from Dolby Laboratories

VIDEO OPTIONS
INPUT VIDEO MODES:
- 480i (640x480/720x480 @ 30 FPS)
- 720p (1280x720 @ 60 FPS)
- 1080i (1920x1080 @ 30, 59.94 & 60 FPS)
- AUTO-SCAN for Input Resolution
VIDEO FORMAT: MPEG-2 or H.264
VIDEO ADJUSTMENTS: BRIGHTNESS, CONTRAST, HUE, SATURATION
H.264 PROFILE SUPPORT: BASELINE, MAIN, HIGH

OUTPUT
VIDEO OUTPUT: SFP Port IP SPTS (SFP sold separately)
PACKET FORMAT: UDP SPTS (two HD or SD streams)
ZIXI: UDP Transport Stream Protocol

PHYSICAL SPECIFICATIONS
TEMPERATURE RATING: 0 - 50° C Ambient
FORM FACTOR: Desktop Modulator
DIMENSIONS: Approximately 7.6” D X 2.0” H X 8.7” W
WEIGHT: 1.5 lbs
POWER REQUIREMENTS: 100-120 VAC/60 Hz

Available SFPs (sold separately)

<table>
<thead>
<tr>
<th>Item #</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1002620</td>
<td>SFP-C-10/100/1000 TRANSCEIVER</td>
<td>10/100/1000BASE-T SFP, RJ-45, 100M, COPPER</td>
</tr>
<tr>
<td>1002621</td>
<td>SFP-MM-850-550M</td>
<td>1000BASE-SX SFP, 850NM, 550M, MMF, DDM</td>
</tr>
<tr>
<td>1002622</td>
<td>SFP-SMF-1310-10KM</td>
<td>1000BASE-LX SFP, 1310NM, 10KM, SMF, DDM</td>
</tr>
<tr>
<td>1002670</td>
<td>SFP-SMF-1310-40KM</td>
<td>1000BASE-LX SFP, 1310NM, 40KM, SMF, DDM</td>
</tr>
<tr>
<td>1002623</td>
<td>SFP-SMF-1550-80KM</td>
<td>1000BASE-ZX SFP, 1550NM, 80KM, SMF, DDM</td>
</tr>
<tr>
<td>1002624</td>
<td>SFP-SMF-CWDM-1470NM-80KM</td>
<td>1.25GBASE-CWDM-SFP, 1470NM, 80KM, SMF, DDM</td>
</tr>
<tr>
<td>1002625</td>
<td>SFP-SMF-CWDM-1490NM 80KM</td>
<td>1.25GBASE-CWDM-SFP, 1490NM, 80KM, SMF, DDM</td>
</tr>
<tr>
<td>1002626</td>
<td>SFP-SMF-CWDM-1510NM-80KM</td>
<td>1.25GBASE-CWDM-SFP, 1510NM, 80KM, SMF, DDM</td>
</tr>
<tr>
<td>1002627</td>
<td>SFP-SMF-CWDM-1530NM-80KM</td>
<td>1.25GBASE-CWDM-SFP, 1530NM, 80KM, SMF, DDM</td>
</tr>
<tr>
<td>1002628</td>
<td>SFP-SMF-CWDM-1550NM-80KM</td>
<td>1.25GBASE-CWDM-SFP, 1550NM, 80KM, SMF, DDM</td>
</tr>
<tr>
<td>1002629</td>
<td>SFP-SMF-CWDM-1570NM-80KM</td>
<td>1.25GBASE-CWDM-SFP, 1570NM, 80KM, SMF, DDM</td>
</tr>
<tr>
<td>1002630</td>
<td>SFP-SMF-CWDM-1590NM-80KM</td>
<td>1.25GBASE-CWDM-SFP, 1590NM, 80KM, SMF, DDM</td>
</tr>
<tr>
<td>1002631</td>
<td>SFP-SMF-CWDM-1610NM-80KM</td>
<td>1.25GBASE-CWDM-SFP, 1610NM, 80KM, SMF, DDM</td>
</tr>
<tr>
<td>1002632-XX</td>
<td>SFP-SMF-DWDM-CHXX-40KM</td>
<td>1.25GBASE-DWDM-SFP, CH, 20-59, 40KM, SMF, DDM</td>
</tr>
<tr>
<td>1002633-XX</td>
<td>SFP-SMF-DWDM-CHXX-80KM</td>
<td>1.25GBASE-DWDM-SFP, CH, 20-59, 80KM, SMF, DDM</td>
</tr>
</tbody>
</table>

Specifications, price, and availability are subject to change without notice or obligation.

Application Example:

MULTI-POINT DISTRIBUTION
PEG ENCODER ...........LOCALLY ORIGINATED CONTENT

Public School → HD & SD
Local Gov’t → SD
Local Sports → HD
Transport → HUB
MUX

Last 2 numbers indicate channel number (20-59).

Provided by: Mega Hertz  800-883-8839  info@go2mhz.com  www.go2mhz.com