

Everywhere You Want To Go...



***Public Educational &
Governmental Access
PEG Encoder***

**PEG-NE24-IP-C Encoder
Stock # 1002613**

Drake Solutions

- Industry leader in providing modular and scalable encoding solutions for leading CATV Operators, Broadcasters, Private Networks and Government Facilities
- Cost effective and reliable MPEG2 and MPEG4 H.264 encoding for traditional RF QAM and IPTV applications worldwide
- NEW PEG Encoder
MPEG-2/H.264 HD + SD with SFP Copper/Fiber output

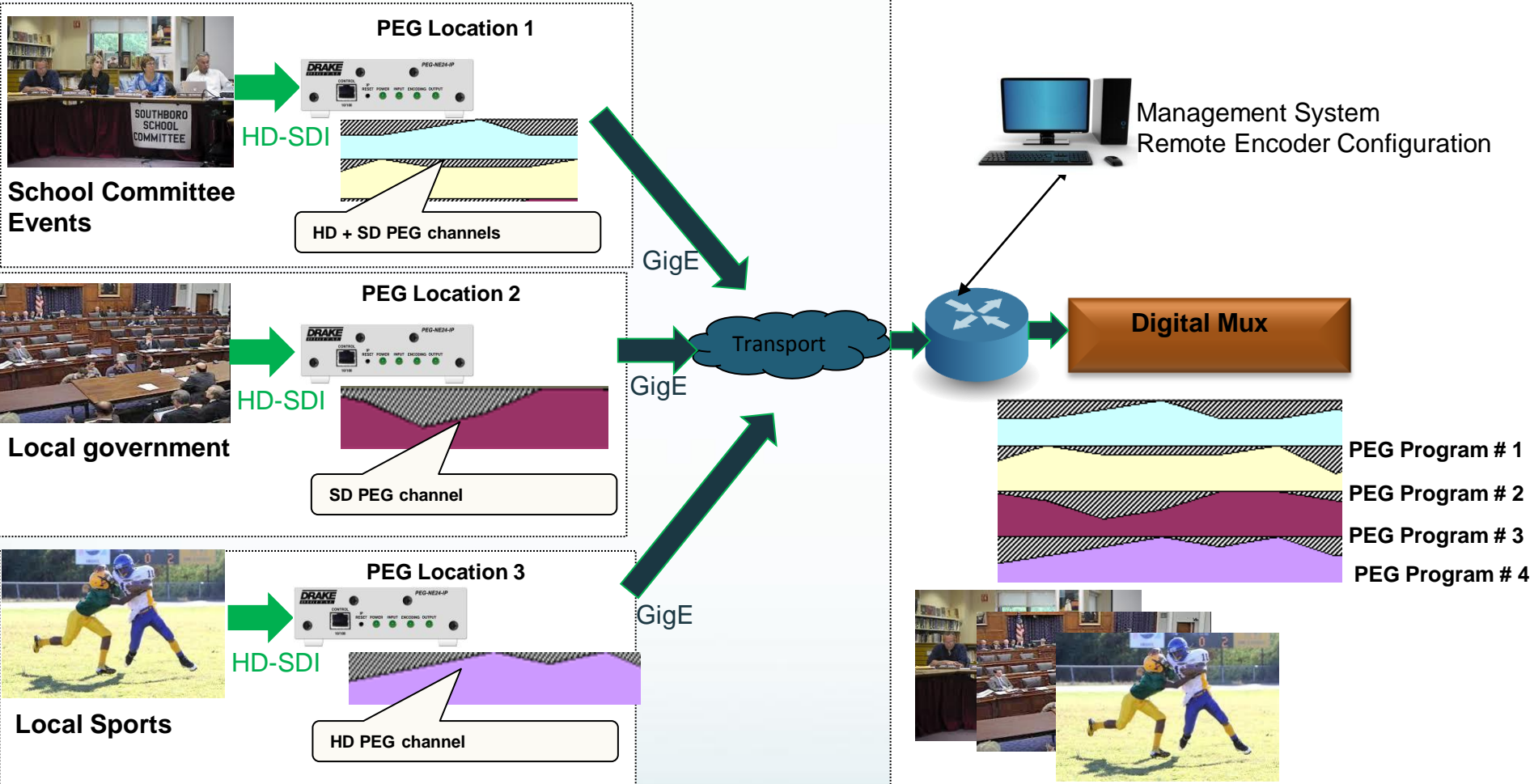
PEG Encoder

- A PEG (Public Education Government) channel carries local public access, school events, and municipal government programming.
- The PEG encoder is used to transport video and audio signals from a local origination site back to Service Provider Headend or hub location, so it can be multiplexed and broadcasted over the Service Provider's franchise area.
- Programming content includes high school sports events, live coverage of town hall and school committee meetings, and local citizens content.

PEG Encoder back-haul application

PEG Locations

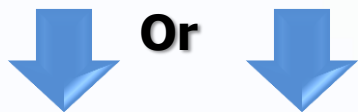
Service Provider
Headend or Hub Location



PEG-NE24-IP-C Encoder

Stock # 1002613

Composite Video
with Left and Right Audio



Or

HD-SDI



2xIP Stream

PEG-NE24-IP-C Encoder



- Hardware:
 - 1 RU
 - Single AC Power Supply
- Inputs:
 - 1 HD-SDI Input
 - Composite Video with Left and Right Audio
- Output:
 - GigE output SFP module (Copper or Optical SFP)
 - SFPs options 10km, 40km, 70km, and ITU SFPs
 - Both HD (SPTS) and SD (SPTS) on the same GigE output

PEG-NE24-IP-C Encoder



- Video and Audio Specifications:
 - MPEG-2 & MPEG-4 (H.264) codec
 - HD (720p & 1080i)
 - SD (480i)
 - Dolby Digital AC3-Audio Encoding
 - Embedded PCM and Pass-Through Dolby Digital AC-3 audio
 - Unicast and Multicast
- Features:
 - Optional In-band management on same GigE output
 - Local 10/100 management port (Password Protected)
 - SNMP v2 support for Network Monitoring
 - Radius Authentication
 - Standalone unit or rack mount

PEG-NE24-IP-C Encoder



- MPEG-2 or H.264/AVC codec HD or SD formats
 - HD MPEG-2 + SD MPEG-2
 - HD H.264 + SD MPEG-2
 - HD H.264 + SD H.264
- MPEG-2 recommended video bit rates
 - HD 12 to 19 Mbps (9 Mbps min spec)
 - SD 4 to 6 Mbps (2 Mbps min spec)
- MPEG-4/H.264/AVC recommended video bit rates
 - HD 6 to 10 Mbps (4 Mbps min spec)
 - SD 1.5 to 3 Mbps (1 Mbps min spec)

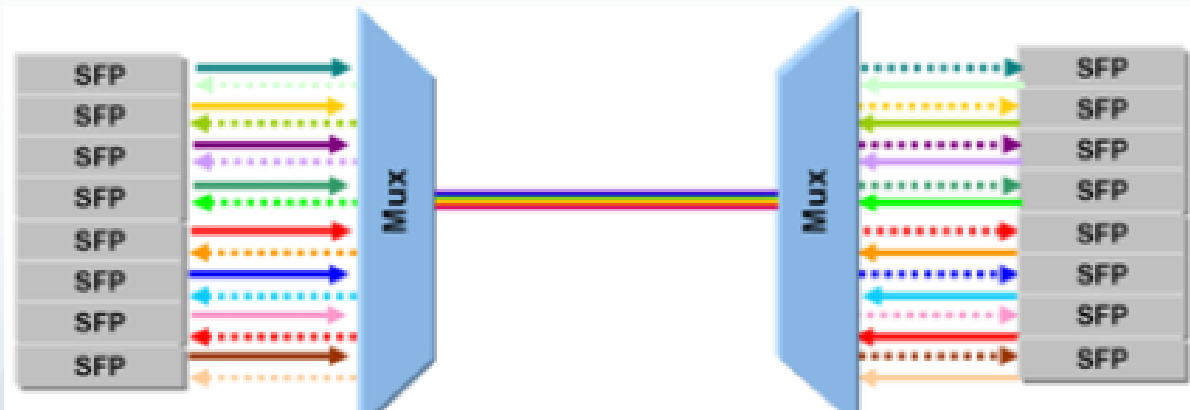
PEG-NE24-IP-C Encoder GigE SFP Module Interface



**SFP Interface Module
Copper or Optical**



SFPs: 850nm, 1310nm 1550nm, CWDM and DWDM



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