

**DRAKE**

## PEG-NE24-IP

**HD PEG Channel Encoder with HD-SDI Input / IP Output**

### 1 Source of MPEG-2/H.264 Content

*via SDI / HD-SDI*



### 1 IP-Encapsulated Data Stream

*via Ethernet Cable (RJ45 Port)*

#### PRODUCT DESCRIPTION

The Drake PEG-NE24-IP Encoder is a stand-alone MPEG-2 or H.264 digital video PEG Channel encoder with a single HD-SDI 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. Video encoding is available in MPEG-2 or H.264 whereas PCM-embedded audio encoding can be encoded to either Dolby® Digital, MPEG1-Layer 2 stereo, or AAC stereo. The PEG encoder is capable of outputting resolutions of 480i, 720p, and 1080i. Powered by a separate 110V AC power unit, the PEG-NE24-IP is a small, modular, desktop model.

#### FEATURES

- MPEG-2 and/or MPEG-4 / H.264 video encoding
- Encodes a HD and SD stream of the same content in either MPEG-2 or MPEG-4 / H.264 formats
- Resolutions of 480i, 720p, or 1080i
- Dolby® Digital, AAC stereo audio, or MPEG1-Layer 2 stereo audio encoding from PCM-embedded audio source
- HD-SDI input
- IP output via SFP port (SFP optional-see back)
- Unicast and multicast capable
- Built-in watchdog timer with system reboot capability
- Field-upgradable firmware
- Configuration and shutdown control via HTTP server UI and programmable API
- Desktop model

**PEG-NE24-IP**

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INTERFACE		AUDIO OPTIONS	
VIDEO INPUTS:	SDI/HD-SDI BNC Type Input Connection Closed Caption Support (embedded only)	ENCODER FORMAT:	Dolby® Digital or MPEG1-Layer 2
AUDIO INPUTS:	SDI/HD-SDI Embedded Audio	OUTPUT BITRATE:	128-320 kbps
		<i>Manufactured under license from Dolby Laboratories</i>	
VIDEO OPTIONS		OUTPUT	
INPUT VIDEO MODES:	480i (640x480/720x480 @ 30FPS) 720p (1280x720 @ 60FPS) 1080i (1920x1080 @30FPS) AUTO-SCAN for Input Resolution	VIDEO OUTPUT:	SFP Port IP SPTS (SFP module is optional)
VIDEO FORMAT:	MPEG-2 OR H.264	PACKET FORMAT:	UDP SPTS (1xHD, 1xSD)
H.264 PROFILE SUPPORT:	BASELINE MAIN HIGH	PHYSICAL SPECIFICATIONS	
		TEMPERATURE RATING:	0 - 50° C Ambient
		FORM FACTOR:	Desktop Modulator
		DIMENSIONS:	Approximately 7.5" D X 1.15" H X 3.5" W
		WEIGHT:	1.15 lbs
		POWER REQUIREMENTS:	110 VAC/60 Hz or 220 VAC/50 Hz

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



**Optional SFP Plug-ins (1000 BT copper)**

STOCK#	MODEL	DESCRIPTION
1002620	SFP-C-10/100/1000 TRANSCEIVER	10/100/1000BASE-T SFP, RJ-45, 100M, COPPER
1002621	SFP-MM-850-550M	1000BASE-SX SFP, 850NM, 550M, MMF, DDM
1002622	SFP-SMF-1310-10KM	1000BASE-LX SFP, 1310NM, 10KM, SMF, DDM
1002623	SFP-SMF-1550-80KM	1000BASE-ZX SFP, 1550NM, 80KM, SMF, DDM
1002624	SFP-SMF-CWDM-1470NM-80KM	1.25GBASE-CWDM-SFP, 1470NM, 80KM, SMF, DDM
1002625	SFP-SMF-CWDM-1490NM-80KM	1.25GBASE-CWDM-SFP, 1490NM, 80KM, SMF, DDM
1002626	SFP-SMF-CWDM-1510NM-80KM	1.25GBASE-CWDM-SFP, 1510NM, 80KM, SMF, DDM
1002627	SFP-SMF-CWDM-1530NM-80KM	1.25GBASE-CWDM-SFP, 1530NM, 80KM, SMF, DDM
1002628	SFP-SMF-CWDM-1550NM-80KM	1.25GBASE-CWDM-SFP, 1550NM, 80KM, SMF, DDM
1002629	SFP-SMF-CWDM-1570NM-80KM	1.25GBASE-CWDM-SFP, 1570NM, 80KM, SMF, DDM
1002630	SFP-SMF-CWDM-1590NM-80KM	1.25GBASE-CWDM-SFP, 1590NM, 80KM, SMF, DDM
1002631	SFP-SMF-CWDM-1610NM-80KM	1.25GBASE-CWDM-SFP, 1610NM, 80KM, SMF, DDM
1002632-XX	SFP-SMF-DWDM-CHXX-40KM	1.25GBASE-DWDM-SFP, CH. 20-59, 40KM, SMF, DDM
1002633-XX	SFP-SMF-DWDM-CHXX-80KM	1.25GBASE-DWDM-SFP, CH. 20-59, 80KM, SMF, DDM

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

**Application Example: MULTI-POINT DISTRIBUTION**

PEG ENCODER . . . . . LOCALLY ORIGINATED CONTENT

