

**Applications**

- 24x7 Video Distribution

**Features**

- Specifically designed for demanding 24x7 distribution applications
- Up to four (4) encoders per chassis
- Digital SDI with embedded audio input
- SD or HD compression for maximum flexibility of operation
- MPEG-2 or MPEG-4 compression
- SDI or HD-SDI inputs with embedded audio
- Full EIA 608 and 708 Closed Caption support
- Dual redundant power supplies
- 7-button front panel
- Large illuminated LCD display
- 1RU compact rugged rackmount chassis
- Two (2) ASI outputs
- IP output as either MCPC or 4x SCPC
- Fully ATSC and DVB Compliant
- AC-3, MPEG Layer II and AAC audio compression

# ENC-5004 Distribution Encoder

## DVB, ATSC and IPTV Distribution Multi-Encoder designed for 24x7 applications

**Description**

The ENC-5004 distribution encoder is specifically designed for demanding 24/7 distribution applications. With all of the features necessary for SD and HD compression in either MPEG-2 or MPEG-4 operation at an industry- leading low price, the ENC-5004 is the perfect distribution encoding system for multichannel operations.

**Configurable**

The ENC-5004 can be purchased with either 2 or 4 encoders per chassis. This reduces rack space requirements and allows the user to easily and cost effectively upgrade and expand their encoding systems.

**Easy to use**

There is a complete set of front panel button controls for easy configuration, even in the dark. The large LCD display is illuminated, yet provides high contrast for visibility in direct sunlight. Control may be via the simple front panel interface or via the integrated web browser controlled simple software interface.

**Reliable and affordable**

By using the latest integration of MPEG and low-power digital electronics technology, the ENC-5004 combines 4 encoders in a single chassis to provide the most cost effective multi-encoder product on the market. With dual redundant power supplies, you can be comfortable knowing the ENC-5004 will operate in your demanding 24 / 7 environments.

**Upgradeable**

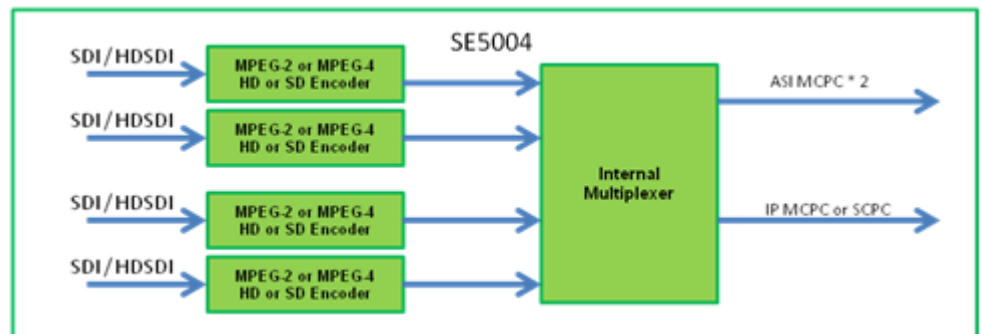
The ENC-5004 is upgradeable from SD to HD or from MPEG-2 to MPEG-4 operation, so it is ready for advanced operation when you are.



ENC-5004 Distribution encoder—front panel



ENC-5004 Distribution encoder—rear panel



**Buy Now!**



# TECHNICAL SPECIFICATIONS—ENC-5004 Distribution Multi-Encoder



STANDARD FEATURES	
<b>Video Inputs</b>	<ul style="list-style-type: none"> <li>• PAL (625 Line) or NTSC (525 Line) SD Formats</li> <li>• 720p/50/60 or 1080i/25/29.95 HD formats</li> <li>• Up to four (4) SDI / HD-SDI on BNC connector</li> <li>• SMPTE 259M or SMPTE 292M with embedded audio</li> </ul>
<b>Video Processing</b>	<ul style="list-style-type: none"> <li>• MPEG-2 4:2:0 (1.0 to 19.5 Mb/s)</li> <li>• MPEG-4 AVC / H.264 4:2:0 (500 kb/s to 19.5 Mb/s)</li> <li>• Horizontal Resolutions: 720, 704, 640, 544, 480 and 352 Pixels/Line</li> <li>• Vertical Resolutions 240 or 480 Lines (NTSC) or 288 or 576 Lines (PAL)</li> <li>• 4:3 and 16:9 Configurable Aspect Ratio</li> <li>• Low Latency function supported</li> <li>• VBR or CBR operation</li> </ul>
<b>Vertical Blanking Interval</b>	<ul style="list-style-type: none"> <li>• ATSC Closed Captions, Per A/53 (SDI)</li> <li>• EIA 608 or 708 Captions</li> </ul>
<b>Audio Inputs</b>	<ul style="list-style-type: none"> <li>• Embedded audio extraction as per SMPTE 272M / 299M</li> </ul>
<b>Audio Processing</b>	<ul style="list-style-type: none"> <li>• MPEG-1 Layer II, AC-3 2.0, HE-AAC or LC-AAC</li> <li>• One audio pair per video compression</li> </ul>
<b>Control Tables</b>	<ul style="list-style-type: none"> <li>• Internally-Generated DVB or ATSC Compatible PSI/SI Tables</li> <li>• PSI Editing capabilities</li> </ul>
<b>Timing</b>	<ul style="list-style-type: none"> <li>• Lip Synchronization Adjustment -30 to +300 ms</li> </ul>
<b>Transport Output</b>	<ul style="list-style-type: none"> <li>• MPEG-2, DVB-Compliant Transport Streams</li> <li>• Two DVB ASI Outputs</li> <li>• 75 Ohm BNC Connectors</li> <li>• 1 to 20 Mbps, in Units of 1 bps</li> <li>• IP Output, UDP or RTP, MPTS or 4x SPTS</li> </ul>

STATUS AND CONTROL INTERFACES	
<ul style="list-style-type: none"> <li>• 7 button front panel control</li> <li>• Backlit LCD Display</li> <li>• Web based control management</li> </ul>	
POWER REQUIREMENTS	
<b>Supply Voltage</b>	100 to 240 VAC, 50 or 60 Hz
<b>Power Consumption</b>	45 Watts maximum
PHYSICAL PARAMETERS	
<b>Chassis</b>	1RU rackmount
<b>Dimensions (H, W, D)</b>	4.4 cm x 48.2 cm x 40 cm (1.73" x 19" x 15.7")
<b>Weight</b>	4.5 kg (9.9 lbs.)
ENVIRONMENTAL CONDITIONS	
<b>Operating Temperature</b>	0° to 45° C (32° to 113° F)

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HEADQUARTERS: 50 Frank Nighbor Place, Kanata, ON Canada K2V 1B9

Tel: +1 613.596.4120

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