ENCODER-100™

Single channel video encoder

Key Features

- Extend/record up to Full HD 1080p60 and 1920x1200 video and audio
- H.264 compression for high-quality, low-bandwidth AV-over-IP
- Support for wide-screen & standard aspect ratios
- Scale streams before distribution for lower bandwidth consumption
- HDMI or analog audio support
- Open encoding allows for third-party software decode (e.g. VLC)
- Compatible with WOWZA Server and other streaming services
- Seamless control via tvONE's **CORIO**grapher suite

Overview

Even though we use the H.264 and RTSP standards for streaming, you don't need to be a network expert to get your system up and running. The Magenta ENCODER-100 is a robust, stable, single channel encoder capable of resolutions up to 1920x1200, built by Network engineers for the AV professional. If that wasn't enough – the ENCODER-100 works seamlessly with the tvONE CORIO**master** 4K Streaming Media input module. Using **CORIO**grapher, you can auto-discover, link and configure all of your ENCODER-100's with your CORIO**master**! This is just one more reason that proves Magenta is a leader in signal distribution.

Specifications

Video Input:	HDMI w/ L-PCM audio
Resolutions:	up to 1920x1080p60, 1920x1200
Video Output (loop out):	HDMI w/ L-PCM audio,
Preview mode:	w/ optional scaling; HDMI & VGA
Resolutions:	up to 1920x1080p60, 1920x1200
Audio Support:	L-PCM audio via HDMI
Audio Line-In:	3.5mm analog stereo audio
Audio Line-Out (loop out):	3.5mm analog stereo audio
Network Connector:	RJ45
Compression Standard:	H.264/Mpeg4 Part 10 (AVC)
Bit Rates:	100Kbps to 20Mbps
Power:	100-240V AC In 3A @ 5VDC Out 15W DIN4 Locking Power Connector
BTU	51.2
Mechanical:	
Weight (without PSU)	740 g (1.6 lbs)
Size (HxWxD)	29.15 x 218.4 x 100.3 mm
Environmental:	
Operating Temperature:	0 to 45 °C
Non-Operating:	-40 to 55 °C
Operating Humidity:	20 to 80% (non-condensing)
Non-Operating Humidity:	5 to 95% (non-condensing)
MTBF:	135.05 years @ 40 °C
Fanless:	(no moving parts)
Warranty:	5 years

ENCODER-100	Single channel encoder
CM-AVIP-IN-1USB-1ETH	4K streaming media input module for CORIO**master** with Dual channel decoding and 4K local file play back w/16GB SSD storage
CM-AVIP-IN-1USB-1ETH-128	4K streaming media input module for CORIO**master** with Dual channel decoding and 4K local file play back w/128GB SSD storage
CM-540	CORIO**master** Video processor; 4RU chassis with 16 I/O slots
CM-510	CORIO**master** mini video processor; 1RU chassis with 6 I/O slots (1 fixed DVI input module)
CM-503	CORIO**master** micro video processor; ½ RU chassis with 3 I/O slots

ENCODER-100 Specification Sheet Version 1.2