

# VEGA-6304

## 8Kp60 HEVC Broadcast Video Encoder

Preliminary



### Features

- 8Kp60 HEVC real-time encode compact encoder platform
- I, P & B-frame, 4:2:2 sampling & 10-bit color
- 2SI & slice-mode encoding support
- 4-ch SDI-12G inputs with 22.2-ch audio support
- Intel i7-7700 CPU with DDR4-2400 16GB memory
- 2 x hot swappable SATA3 HDD storage bays
- Portable size with flexibility for rack-mount

### Introduction

The VEGA-6304 is the first 8Kp60 Real Time HEVC Encoder enable real-time, professional-grade HEVC video processing at much less power consumption than a software-only solution. This application ready appliance is a portable size system with flexibility for rack-mount. VEGA-6304 equipped with user friendly application and interface so it allows users easy to capture and operate 8K encoding and streaming. 1-ch 8K Video input are supported to real time encoding at 10 bit colour depth with HDR support and 4:2:2 chroma subsampling. Aside from video compression, VEGA-6304 offers 22.2 audio channels acquisition by SDI interface.

### Specifications

Video Input	Channel	1 (up to 8Kp60, 8bit/10bit, YUV)	
	Video Formats	8K	
	Frame Rate	BNC (12G-SDI) Interface	8K / 7680x4320: 60p / 59.94p / 50p / 30p / 29.97p / 25p / 24p
		PCI Express Interface	8K / 7680x4320: 60p / 59.94p / 50p / 30p / 29.97p / 25p / 24p
	Chroma Sampling Format	4:2:2 / 4:2:0	
Interfaces	PCI express Gen3 x16 / SDI-12G		
Video Compression	HEVC Profile	Main / Main 10	
	HEVC Tier	Main / High	
	HEVC Level	HEVC Level 5.1	
	Bitrate 8K format	60 Mbps–300 Mbps	
	Bit Depth	8 / 10	
	Bit Rate Control	CBR / VBR	
	Elementary Stream	Yes	
Audio	Audio Interface	SDI	
	Audio Channel	22.2	
	Format	PCM	
	Audio Frequency	48KHz	
Other Features	Streaming Protocol	Streaming Protocol HLS/RTP/TS/RTMP over TCP,UDP	
	Operating System	Linux Kernel 4.4.0 (64-bit) – Ubuntu 16.04LTS	
	Management & Control Interface	Management & Control Interface	
	GOP Structure	Hierarchical IBFF	
	Development Assistance	FFmpeg plugins	
Physical Features	Network Interface	2 x GigE port (10/100/1000 Mbps)	
	USB port	2 x USB3.0 port	
	LCM& LED Indicator	Yes	
	Power Consumption	270W	
	Power Input	AC Input (100-240V)	
	Dimension	370 x 350 x 70 mm	

### Ordering Information

Part Number	Description
	Not available for order now