

VEGA-8300D

8Kp60 HEVC Broadcast Video Decoder

Preliminary



Features

- 8Kp60 HEVC 85Mbps real-time decoder platform
- 4:2:0 chroma & 10-bit color
- 4 x DP ports outputs with 22.2-ch audio support
- Live input via HLS or RTP streaming protocols across IP
- Decode from local file option
- 2 x hot swappable SATA3 HDD storage bays
- Portable size with flexibility for rack-mount

Introduction

The VEGA-8300D is a distribution grade 8Kp60 decoder and player appliance complementing the VEGA-8300E encoder. It can decode 8K from OTT or satellite at up to 85Mbps, and output 8K 4:2:0 format over 4 x DisplayPort outputs. The system can be supplied with DP -> HDMI converter cables to allow output to 8K monitors or other equipment supporting 4 x HDMI 2.0 inputs.

Specification

Video Decoding	Standard	HEVC (H.265)
	HEVC profile	Main / Main 10
	HEVC Tier	Main / High
	HEVC Level	HEVC Level 5.1
	Bitrate 8K format	Up to 85Mbps
	Bit Depth	8 bit/10 bit
	Chroma Sampling Format	4:2:0
Audio Decoding	Bit rate Control	CBR / VBR
	Channels	22.2
	Format	Input: AAC-LC Output: PCM
Video Output	Sampling Frequency	48KHz
	Connector	SDI Audio
	Channels/Interface	4 x DP ports, up to 8K60p, 10bit YUV
Ethernet	SDI Video formats	8K/ 7680 x 4320:60p / 59.94p /50p / 30p / 29.97p / 25p / 24p
	Interface	10/100/1000 Mbps
	Controller	LAN 1: Intel I210
Rear I/O	Connector with LED	RJ45 x 1
	USB 3.0	2
	Ethernet	1
	Display Port 1.4	1
Front I/O	HDMI 1.4	1
	USB 3.0	2
Storage	Hot swappable SATA3 HDD storage bays	2 (SSD/ HDD 2.5" 1TB 7KRPM SATA3) (Option for RAID 0 & 1)
Watchdog Timer	Output	System reset
	Interval	Programmable 1-255 sec
Front Control	LCD	1 (16 x 2 dot matrix)
	Button	5
Power	Power	350W
	Power Input	AC input 100-240V
Physical	Dimension	370mm x 350mm x 70mm
Environmental	Operating Temperature/Humidity	0 ~ 45°C/20 ~ 90RH
Compliance	Certification	CE, FCC Class A

Ordering Information

Part Number	Description
VEGA-8300D-S0D0	8Kp60 HEVC Video Decoder System