ADVANTECH

Advantech **VEGA** Video Solutions

EFFICIENTLY SCALE YOUR
VIDEO CLOUD

VEGA-3318

Powered by
Advantech VEGA-3318
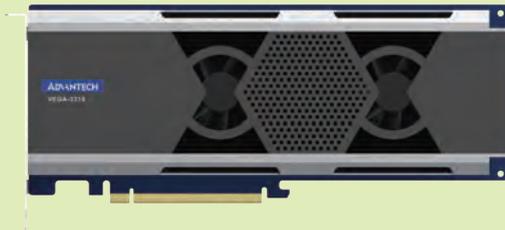**8-ch 4K HEVC Real-time Encoder & Transcoder Card**

The new **VEGA-3318** is a real-time video processing card that brings unprecedented performance to large-scale cloud deployments. As video resolution and content skyrocket, media companies are considering the benefits of moving to the cloud. However, traditional server hardware is not well suited to video processing, especially when multiple high-definition channels require manipulation. The VEGA-3318 provides the acceleration required to efficiently scale video processing across a wide range of cloud applications from broadcast encoding and OTT transcoding to gaming and mobile video. The impressive performance of the VEGA-3318 comes in a compact and low-power PCI Express format that can be integrated into standard data center servers and racks significantly improving density, time-to-market and costs of cloud media solutions.

VEGA-3318 HEVC Performance	4K UHD Channels	Whole System Power Consumption
Per Rack Unit	32	800W
Per 42U Rack	1,280	32,000W

VEGA-3318
8-ch 4K HEVC Real-time Encoder &Transcoder Card

Highlights:

- Up to 8-ch 4Kp60 real-time HEVC/AVC/MPEG-2 encoding/decoding/transcoding at 10-bit color depth and 4:2:2 chroma subsampling
- I, P & B-frame w/ ultra-low latency (<10ms) encode
- Less than 100W power consumption
- Easy-to-integrate PCI Express add-on card compatible with server GPU slots
- Easy to use via Linux or Windows SDK that features an FFmpeg plug-in
- Ideal for cloud gaming, virtual reality, broadcast, OTT and mobile video applications

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