



Greylock HD H.264 Encoder/Decoder

- ▶ Affordable high-performance encoder/decoder based on one of the most trusted names in silicon: the Intel® Atom™ media processor
- ▶ Energy efficient with a small form factor and easy-to-use user interface
- ▶ Ideally suited for AV installations including Education, Digital Signage and Houses of Worship

The best value.

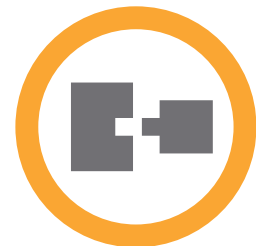
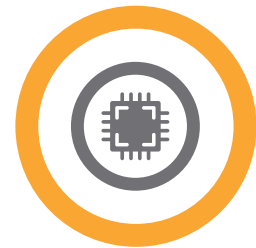
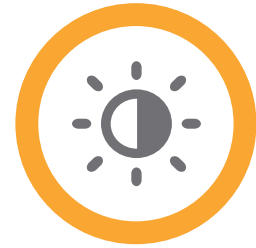
You don't have to pay exorbitant prices to get a professional-grade product. Supporting resolutions up to 1080p60, this encoder/decoder gives you high definition H.264 video encode with the added bonus of built-in decode capability. Better yet, it's easy to use, with a web UI and straightforward setup process. Greylock brings affordable encoding to AV over IP workflows without sacrificing quality.

Built on trusted silicon.

Videon has unique partnerships that give you access to the best silicon technology. Usually reserved for only the biggest consumer electronics OEMs, the Intel® Atom™ CE5300 is a high-quality Dual Core 1.2GHz media processor. With Intel, you know you're getting a quality product.

Across a range of AV markets.

Intel silicon gives Greylock low power, small form factor, and high reliability. Designed specifically for applications where affordability is important, Greylock fits into a variety of AV workflows. And if it isn't a perfect fit for your needs, consider working with Videon's engineers to customize a solution. With modifiable features and IO, this encoder/decoder can be tailored to simply move your media from any source to any screen.





Greylock HD H.264 Encoder/Decoder

- ▶ Streamlined integration into AV over IP workflows in Education, Digital Signage and Houses of Worship.
- ▶ Flexible data paths move content from any source to any screen.
- ▶ Based on Intel® Atom™ CE5300 media processor.



Product Specifications

Encoder/Decoder Details (Intel CE5300)

- ▶ Dual Core 1.2GHz Intel® Atom™ Processor
- ▶ Dedicated 3D graphics engine at 533 MHz

Video Encoding/Decoding

- ▶ Input Resolutions
 - | 1080i60, i59.94, i50, p30, p29.97, p25; 720p60
- ▶ Output Resolutions
 - | 1080i60, i59.94, i50, p60, p59.94, p50, p30, p29.97, p24, p23.98; 720p60, p59.94, p50; 576i50; 480i59.94
- ▶ Compression: H.264 Encode; H.264 / MPEG-2 Decode
- ▶ Bit rates: 1Mbps-30Mbps
- ▶ Rate control: VBR, CBR

Audio Encoding/Decoding

- ▶ Compression: AAC 128, 192, 256, 384
- ▶ Audio Sampling Frequency: 32, 44.1, 48 KHz

I/O

- ▶ Video: HDMI v1.4a input and output
- ▶ Audio embedded in HDMI
- ▶ USB 2.0 Type A; USB 3.0 Type A
- ▶ 10/100/1000 Ethernet (RJ-45)

Streaming Capabilities

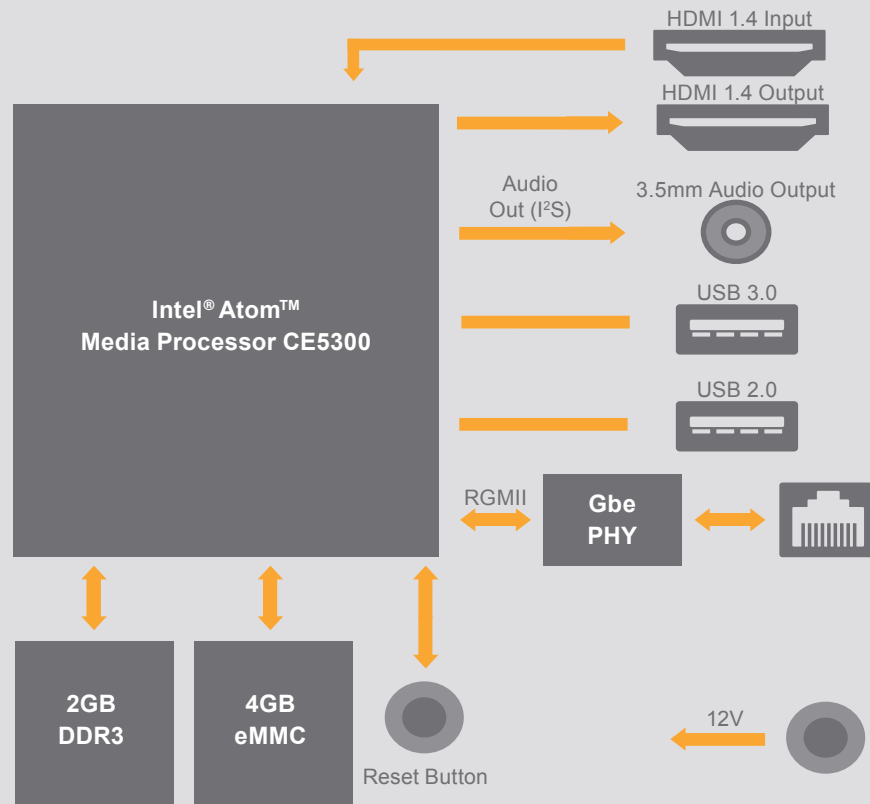
- ▶ Unicast and Multicast
 - | RTP over UDP, Raw UDP
 - | Up to 2x Unicast and 1x Multicast simultaneous channel output
- ▶ RTMP: Wowza™, UStream, YouTube Live, EvoStream

Network and Control

- ▶ REST API integrates with third-party controllers and applications
- ▶ Full-featured web browser based UI
 - | Designed for tablets and desktops
 - | Encoder and decoder configuration for unicast, multicast and RTMP
- ▶ DHCP (Default) / Static IP Address
- ▶ Command and Control: HTTP
- ▶ Auto-detect and discover other Videon encoder and decoder units on subnet, including:
 - | Equinox HD H.264 Encoder/Decoder
 - | Washington HD H.264 Decoder
 - | Empire HD H.264 Encoder
 - | And other Greylock units

| [Block Diagram and Ordering Information](#)

Greylock HD H.264 Encoder/Decoder Block Diagram



General

- ▶ +12V Input; under 15 Watts total
- ▶ Dimensions: 1.82" x 7.52" x 7.17"
- ▶ Factory Reset Button

Applications

- ▶ IP Encoder for Streaming Events / Houses of Worship
- ▶ Lecture Capture encoder
- ▶ Digital Signage Appliance

Customer Care Promise

Videon has outstanding products, but we're about more than just technology. Our Customer Care team promises each customer:

- | Connection with a dedicated account representative
- | Quick turnaround for technical support inquiries
- | Operational excellence to ensure that customer service is our best product.

To Order, Please Contact Kelli Steindl

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