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simply moving media

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 houses of worship, live events, sports and education

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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.

Source | Greylock HD (as encoder) | Greylock HD (as decoder) | Display

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Greylock HD H.264 Encoder/Decoder

- Easily stream AV over IP for houses of worship, live events, sports and education.
- Flexible data paths move content from any source to any screen.
- Based on Intel® Atom™ CE5300 media processor.

Product Specifications

Video Encoding/Decoding

- Dual Core 1.2GHz Intel® Atom™ Processor
- Input Resolutions
  - **1080**i60, i59.94, i50, p60, p59.94, p30, p29.97, p25; **720**p60, p59.94, p50
- Encode Resolutions
  - **1080**i60, i59.94, i50, p30, p29.97; **720**p60, p59.94, p50; **540**p*; **480**p*; **360**p*; **270**p*; **180**p*; *scaled resolutions, frame rate same as source
- Output Resolutions
  - **1080**i60, i59.94, i50, p60, p59.94, p50, p30, p29.97, p25, p24, p23.98; **720**p60, p59.94, p50; **576**i50, p50; **480**i59.94, p59.94
- Compression: H.264, Baseline, Main, High
- Bit rates: 250kbps-20Mbps; Rate control: Variable, Constant;

Audio Encoding/Decoding

- Encode: MPEG-4 AAC-LC in ADTS 64-320kbps; Decode: MPEG-1- Layer 2, MPEG-2/MPEG-4 AAC in ADTS/LOAS
- Encode Sampling Freq: 32, 44.1, 48KHz; Decode: 48 KHz

Streaming Capabilities

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

I/O

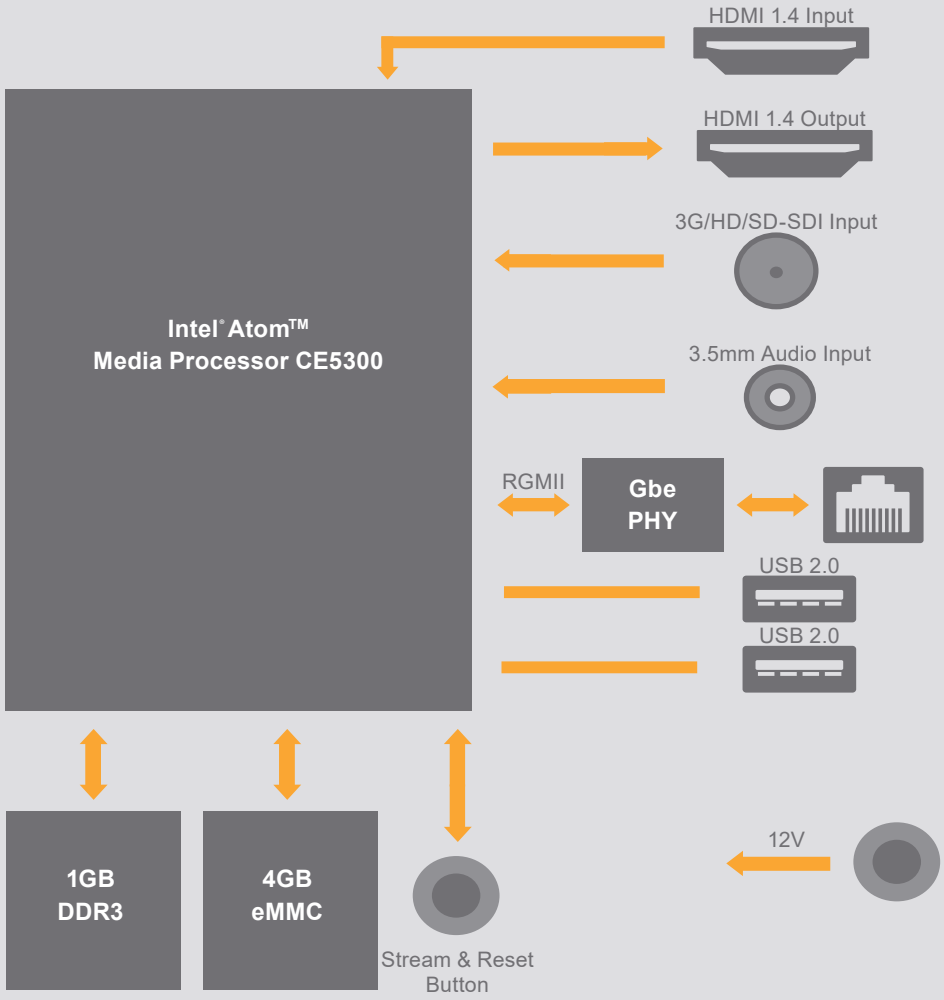
- HDMI v1.4a input and output
- 3G/HD/SD-SDI input
- 2 USB 2.0 connectors
- Audio embedded in HDMI, 3G/HD-SD-SDI and 3.5mm Analog Audio input
- 10/100/1000 Ethernet (RJ-45)

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 control other Videon devices on subnet

Block Diagram and Ordering Information

Greylock HD H.264 Encoder/Decoder Block Diagram



General

- +12V Input; under 15 Watts total
- Dimensions: 1.75″ x 6.54″ x 6.2″
- Action Button to start/stop RTMP encoding and for Factory Reset

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 technology. Our Customer Care team promises:

- 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 visit our resellers page:
www.4kunder2k.com/resellers

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