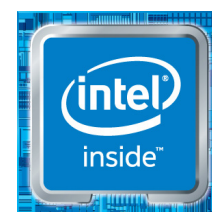




## Greylock HD H.264 Encoder/Decoder

- ▶ 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





## The best value.

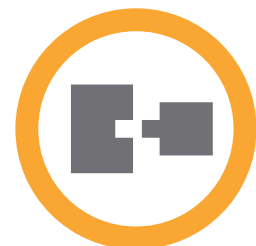
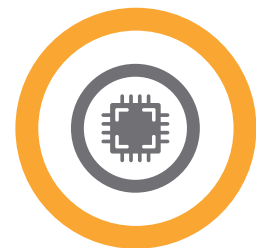
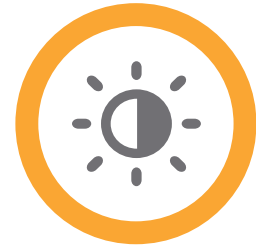
You don't have to pay exorbitant prices to get a professional-grade product. Supporting resolutions up to 1080p60, this encoder/decoder gives you high definition H.264 video encode with the added bonus of built-in decode capability. Better yet, it's easy to use, with a web UI and straightforward setup 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

- ▶ 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
  - | **1080i**60, i59.94, i50, p60 conv. to p30, p59.94 conv. to p29.97, p30, p29.97, p25; **720p**60, p59.94, p50
- ▶ Output Resolutions
  - | **1080i**60, i59.94, i50, p60, p59.94, p50, p30, p29.97, p24, p23.98; **720p**60, p59.94, p50; **576i**50, p50; **480i**59.94, p59.94
- ▶ Compression: H.264, Baseline, Main, High
- ▶ Bit rates: 250kbps-20Mbps; Rate control: VBR, CBR
- ▶ Transcode (e.g. 1080p60 input to 720p60 scaled output); limit 30 frames per second
- ▶ Encode latency ~1sec; Decode latency ~250ms

### 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 and 1x Multicast simultaneous channel output
- ▶ RTMP: Wowza™, UStream, YouTube, DaCast, MediaFusion, StreamShark

### I/O

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

### Recording and Upload

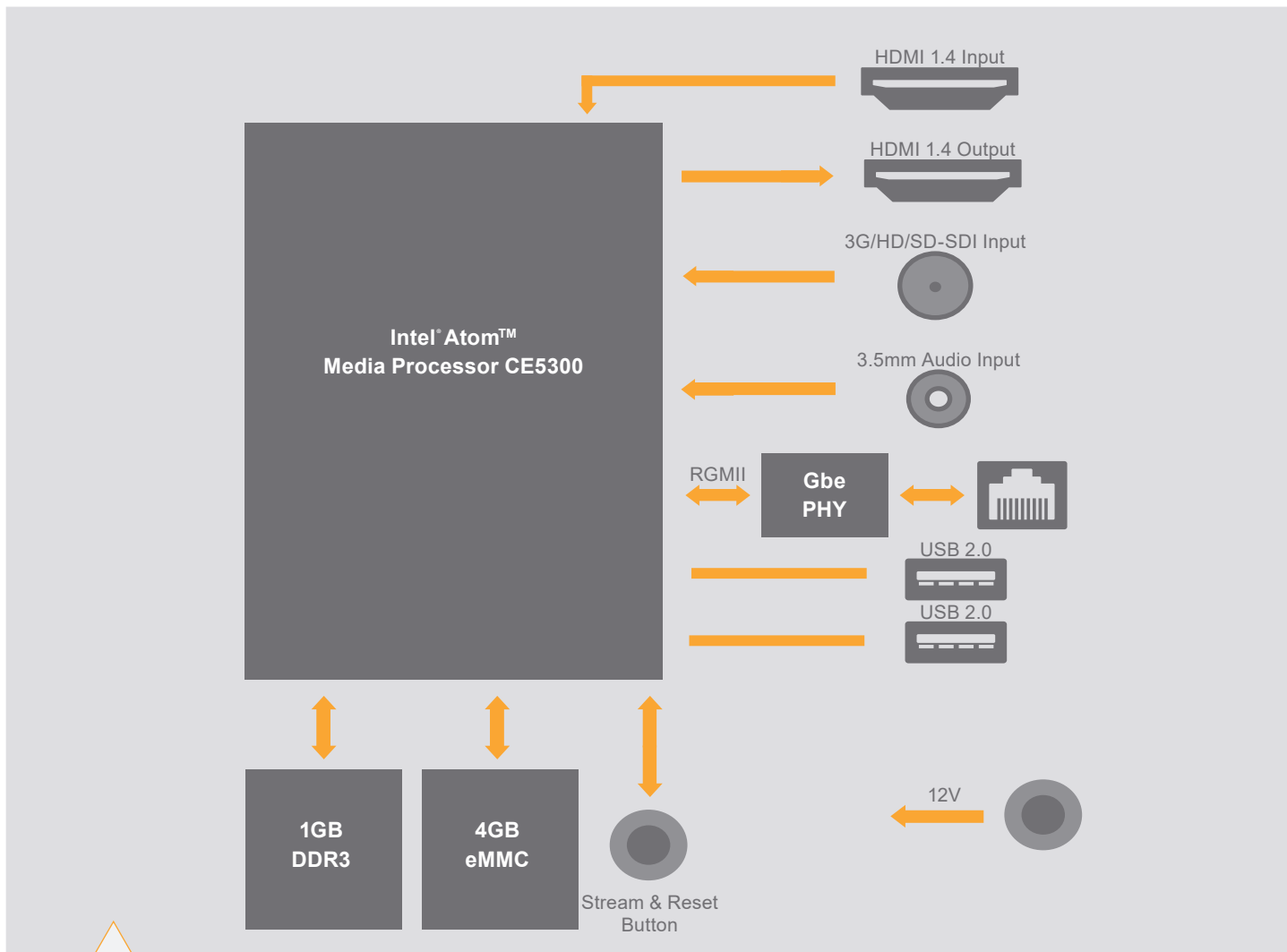
- ▶ Record video to USB (FAT32, Ext4)
- ▶ FTP upload of recorded files

### Network and Control

- ▶ REST API integrates with third-party controllers and applications
- ▶ Full-featured web browser based UI 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

| [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 contact Customer Care

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(814) 235-1111 x303

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