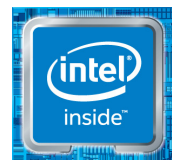




Sonora HD H.264 Encoder/Decoder

- ▶ Affordable streaming encoder/decoder based on one of the most trusted names in silicon: the Intel® Atom™ media processor
- ▶ Simple HDMI input for streaming online or point to point, recording to USB and automatic uploading
- ▶ Ideally suited for AV installations including classrooms, corporate settings, sports, and houses of worship

Document Number 10004188-Q01



The best value.

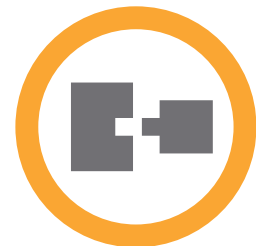
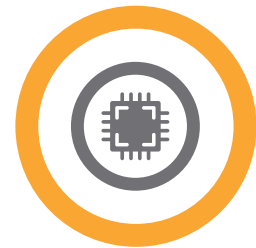
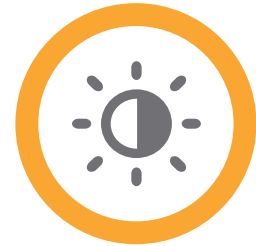
You don't have to pay exorbitant prices to get a professional-grade product. Supporting resolutions up to 1080p60, this encoder/decoder gives you high definition H.264 video encode with the added bonus of built-in decode capability. Better yet, it's easy to use, with a web UI and straightforward setup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

Designed specifically for applications where affordability is important, this product fits into a variety of AV workflows. Perfect for classrooms, houses of worship, sports and other installations where you need a full-featured, reliable product without spending a lot.



Sonora 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, p59.94, p30, p29.97, p25; **720p**60, p59.94, p50
- ▶ Encode Resolutions
 - | **1080i**60, i59.94, i50, p30, p29.97; **720p**60, p59.94, p50; **540p***; **480p***; **360p***; **270p***; **180p***;
 - *scaled resolutions, frame rate same as source
- ▶ Output Resolutions
 - | **1080i**60, i59.94, i50, p60, p59.94, p50, p30, p29.97, p25, 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: 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

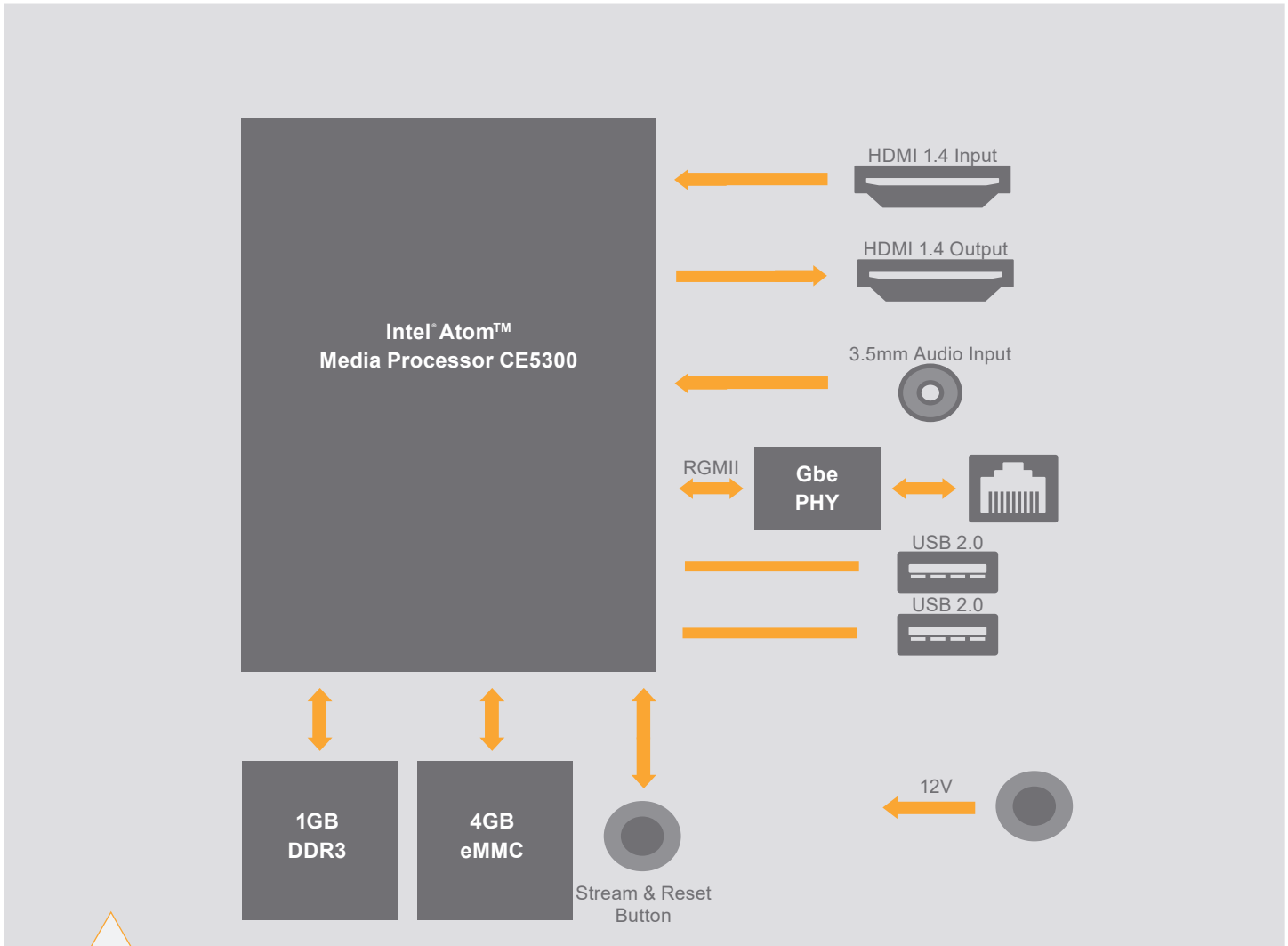
- ▶ HDMI v1.4a input and output
- ▶ 2 USB 2.0 connectors
- ▶ Audio embedded in HDMI and 3.5mm Analog Audio input
- ▶ 10/100/1000 Ethernet (RJ-45)

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](#)

Sonora 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

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