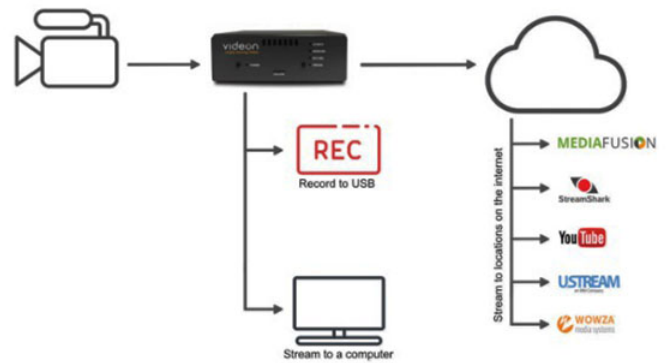SHAVANO

4K HEVC Video Encoder

INTEGRATES WITH ANY WORKFLOW

Shavano encodes 4K using HEVC or H.264 compression. Finally an encoder that makes 4K video portable. Shavano compresses 4K video to simultaneously stream to many different destinations including:

> Point-to-point on an internal network

> Point-to-point over the WAN

> Multicast on a local network

> to a decoder located on a different network

> to a variety of online video platforms

REC
Record to USB

Stream to a computer

Stream to locations on the internet

MEDIAFUSION
StreamShark
You Tube
USTREAM
WOWZA media systems

4K VIDEO THAT CAN STREAM ON CONSUMER GRADE INTERNET, NO SPECIAL EQUIPMENT REQUIRED!

The biggest issues with 4K video is file size and data rates… Shavano solves that issue by compressing 4K video using HEVC compression. The result is a 4K video stream that looks great and uses less than 50% the bandwidth of H.264.
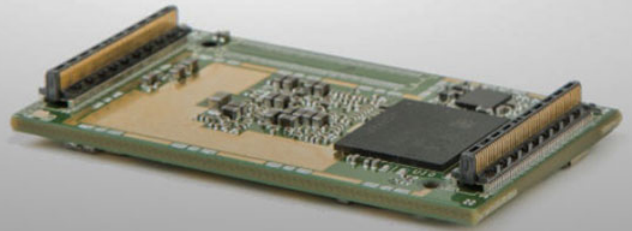
STREAM TO 4K-READY ONLINE VIDEO PLATFORMS

Shavano seamlessly integrates with 4K ready online video platforms for applications ranging from Sports to House of Worship to Corporate to Live events and more. Additionally Shavano can stream to local destinations making them perfect for both local and broadcast video distribution.

RELIABLE 4K STREAMING BASED ON INDUSTRY LEADING TECHNOLOGY

Designed using the Qualcomm SnapDragon 820 to be the most reliable encoder you have ever used, Shavano is at home in the most demanding professional video production studios and thanks to its small size, similarly at ease for portable uses.

POWER OVER ETHERNET

Shavano can be powered using PoE: making Shavano the perfect video encoder for a wider range of use cases.

TECH SPECS

Video Encoding/Decoding

Quad Core Qualcomm Snapdragon 820 (APQ8096) processor

Input Resolutions
3840x2160p30, p25, p24; 1080p60, p59.94, p30, p29.97, p25; 720p60, p59.94, p50

Encode Resolutions
3840x2160p30, p25, p24; 1080p60, p59.94, p30, p29.97, p25; 720p60, p59.94, p50

Compression: H.265/HEVC (up to 4Kp30), H.264

Bit rates: .5Mbps-30Mbps; Rate control: Variable, Constant

Audio Encoding/Decoding

Encode: MPEG-4 AAC-LC in ADTS 64-320kbps

Encode Sampling Freq: 32, 44.1, 48KHz

Streaming Capabilities

Unicast and Multicast
RTP over UDP, Raw UDP
Up to 2x Unicast, 1x Multicast, and 1 x RTMP simultaneous channel output

RTMP

RTSP

I/O

HDMI 1.4 input up to 2160p30

3G-SDI input up to 1080p60

USB 3.0 interface

Audio embedded in HDMI and 3G/HD/SD-SDI

Audio embedded in HDMI and 3G-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, multicastand RTMP

DHCP (Default) / Static IP Address

Command and Control: HTTP

Auto-detect and discover other Videon encoder and decoder units on subnet
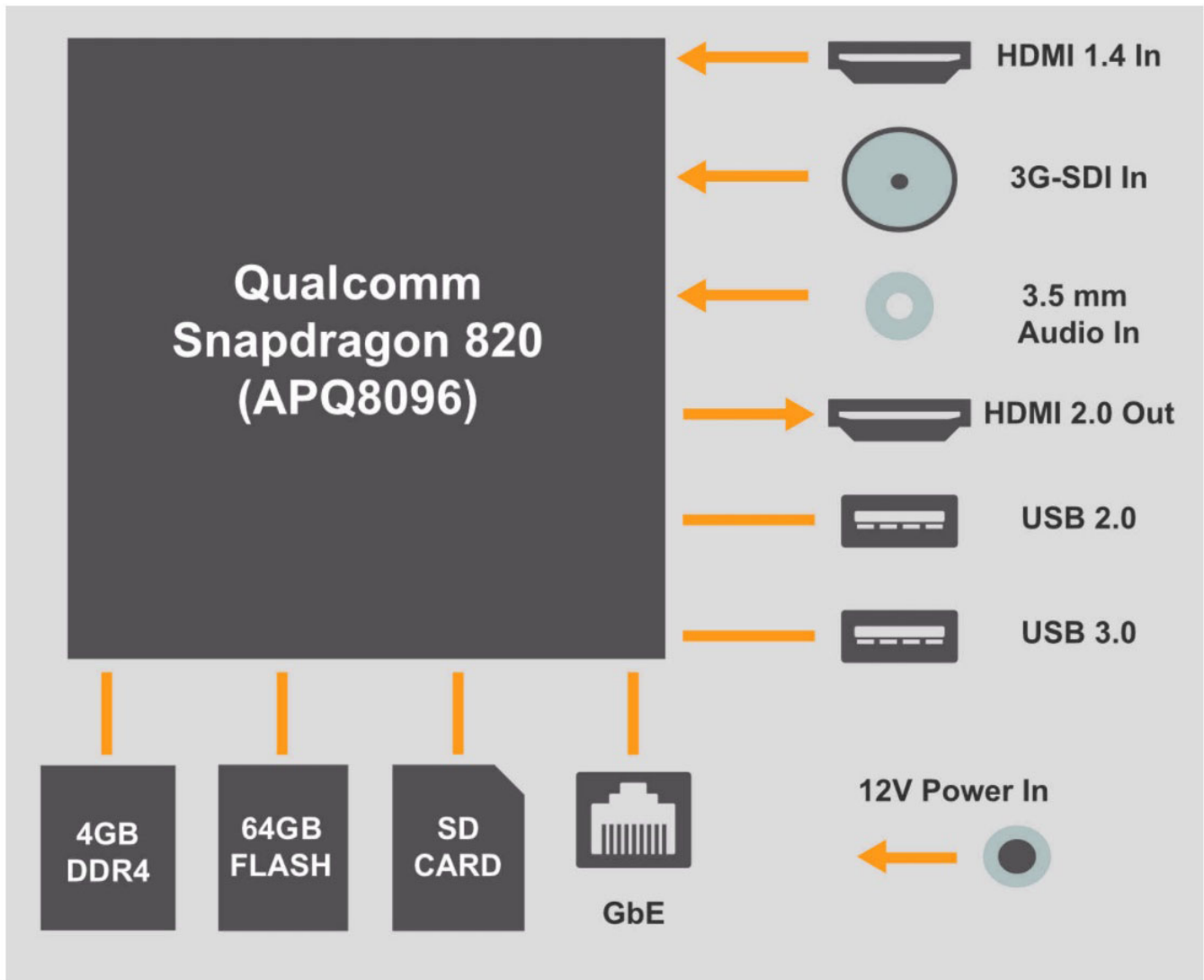
General

+12V Input; under 10W total (not including external peripheral)

IEEE802.3af PoE enabled

Dimensions: 1.5" x 5.0" x 4.234"

Action Button to start/stop RTMP encoding and for Factory Reset

BLOCK DIAGRAM

Qualcomm Snapdragon 820 (APQ8096)

- HDMI 1.4 In
- 3G-SDI In
- 3.5 mm Audio In
- HDMI 2.0 Out
- USB 2.0
- USB 3.0
- 12V Power In

4GB DDR4 | 64GB FLASH | SD CARD | GbE

videon
simply moving media

VIDEOLINK™ INC.