

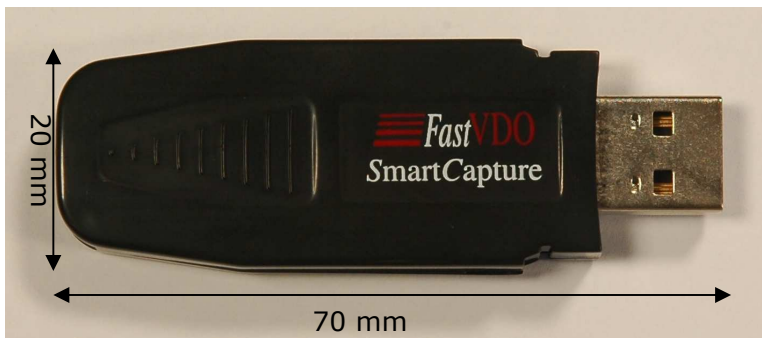


FastVDO

like it's meant to be...

FastVDO SmartCapture – For Video Sensor Data Acquisition

System integrators, military agencies, Satellite and internet bandwidth providers are faced with the challenge of compressing and delivering high quality audio and video streams over constrained bandwidth links. FastVDO's SmartCapture encoder is designed to capture audio /video data with H.264/AAC compression standards to deliver high quality video and audio at low bit rates. While having a portable form-factor and using very low power, SmartCapture allows encoding at various bitrates and interfaces with a broad spectrum of AV sources and has a convenient USB interface to control and transfer compressed data into a PC/ laptop/single board computer for storage and live streaming. SmartCapture design is flexible and customizable to various interfaces and connectors.



- **Low latency, real-time capture and encoding**

Ideal for situational awareness, surveillance, unmanned systems, reconnaissance and robotics.

- **Low power, light weight, small form factor**

Smaller and lighter payload to accommodate multiple sensors makes SmartCapture efficient and ideal for power and space limited applications. Weighs < 1/2 ounce, runs on < 1 watt.

- **Powerful onboard tools**

Digitizing, resizing, pre-processing and compression is all done on hardware to minimize latency and improve system performance.

- **Rugged design and convenient interface**

Well engineered design and USB interface makes SmartCapture plug and play on various computing systems and agnostic to OS.

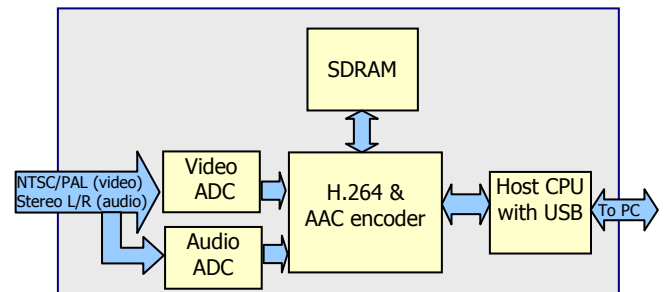
- **Fully configurable**

SmartCapture encodes video from 32 kbps up to 4 Mbps with tight rate control for varied applications and bandwidths. FastVDO provides APIs to easily configure and control the device. The interface can be customized per application.

- **Metadata support and Standards compliant**

Compliance to H.264 and AAC for interoperability. Support for CE-608 (Line 21 analog), and SMPTE 336 (KLV metadata).

FastVDO SmartCapture: System Overview



Features	Specifications
Input Video	Analog NTSC or PAL
Input Audio	Analog stereo (L/R)
Output Video	H.264 compliant stream
Output Audio	AAC compliant stream
Bitrate	From 32 kbps up to 4 Mbps
OS supported	Windows, Linux, Mac OS
Frame size	From 160X112 up to 720X576
Power source	5V USB powered
Power	Less than 1 Watt
Weight	0.3 oz. / 9 gm
Dimensions	0.4X0.8X2.8(inch)/ 10X20X70 (mm)