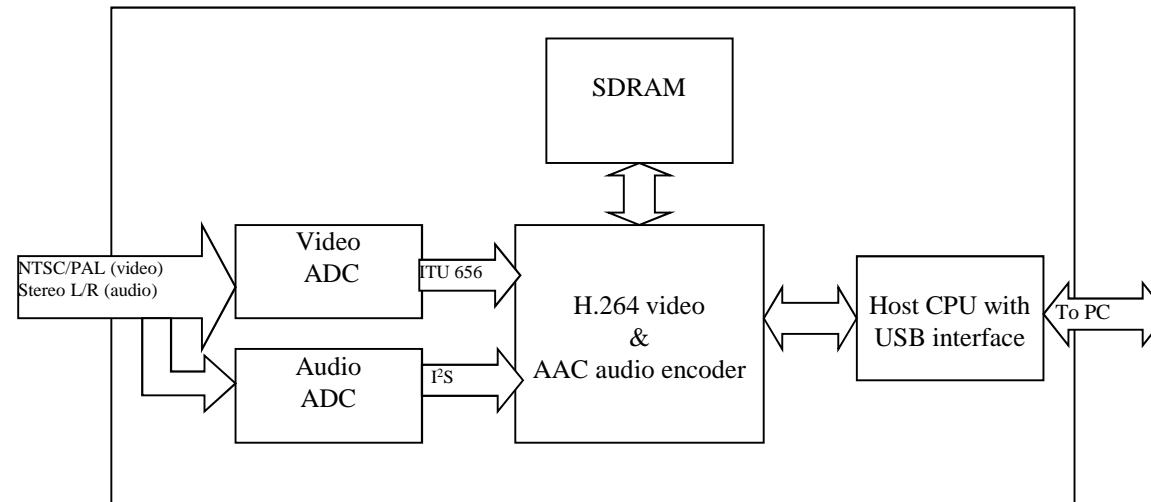# FastVDO

like it's meant to be...

SmartCapture

Salient Features

➢USB based Audio/Video capturing and encoding device

➢Compact design and small form factor (20mm X 60mm)

➢NTSC or PAL video and analog audio input

➢State of the art encoding with tight rate control

➢Built-in video resize and adaptable frame rate control

➢Built-in A/V sync and Hardware de-interlacing
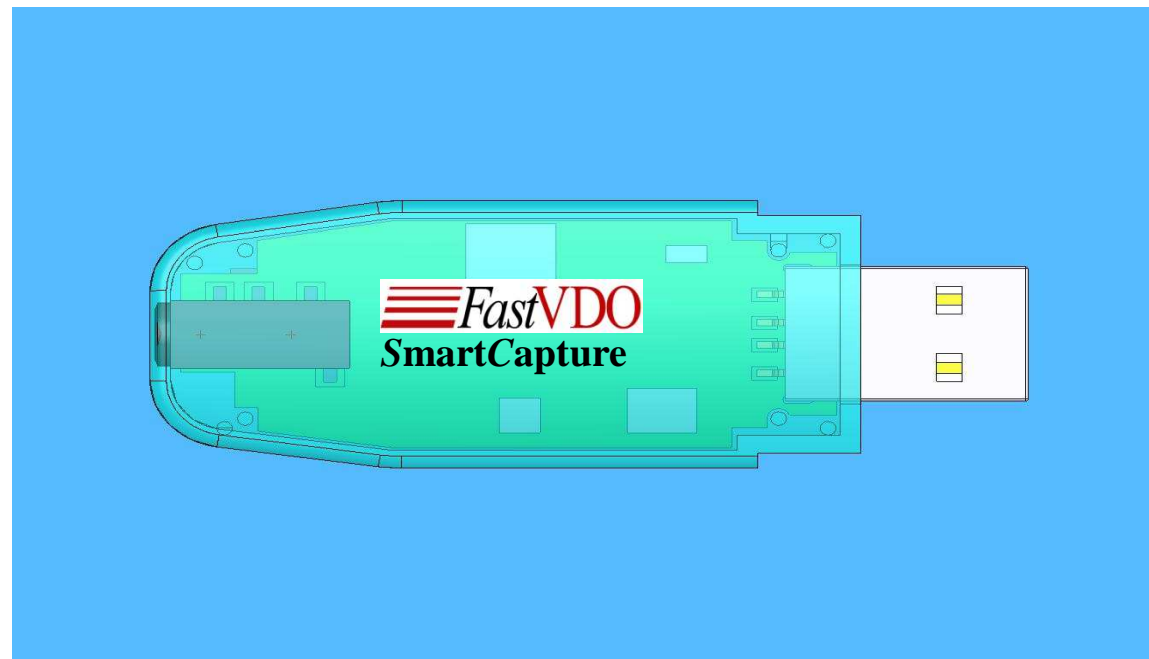
➢Easy USB interface – works with Linux and windows

www.fastvdo.com

FastVDO

SmartCapture

System overview

FastVDO
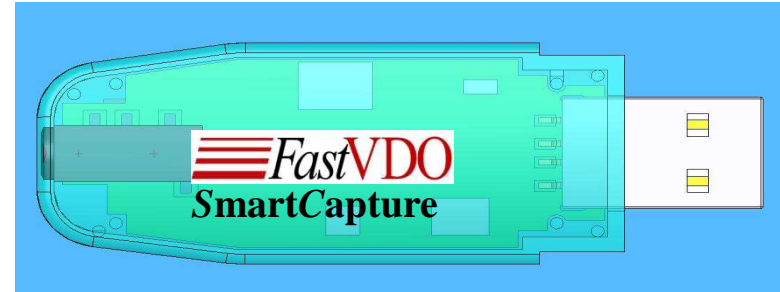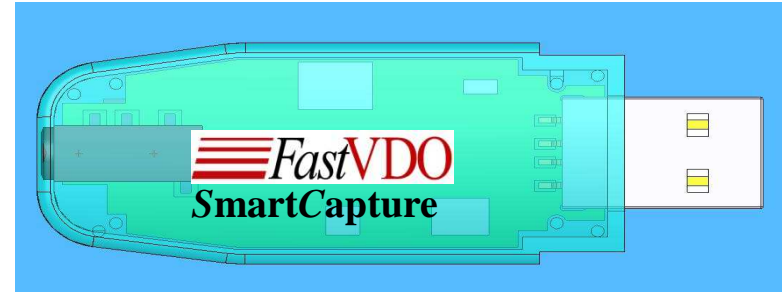
SmartCapture

Product Diagram

SmartCapture...

- Compact design – looks like memory stick

- State of the art encoder

- Easy USB interface – works with Linux and windows

- Resolutions: sub-QVGA to VGA, NTSC, 480p

- Live capture and real-time encode

- Tight rate control and high quality encoding

- Monitor and control encoding parameters live for every frame

FastVDO

SmartCapture...

- Built-in video digitizer

- Hardware de-interlacing

- Built-in video resize tools

- Built-in A/V sync control

- Built-in in-loop de-blocking filter

- Auto/manual frame rate adaptation

- Complete software support for Streaming

- GUI to monitor encoding process and picture quality

SmartCapture

Applications

➢ Real-time capture and encode

➢ Security surveillance, traffic monitoring

➢ situational awareness, UAV and USV applications

➢ Multimedia streaming, IPTV, DVB

➢ Distance learning and web conferencing

➢ Content creation for iPod® and other handheld devices

➢ Digitize and compress home videos and VHS

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SmartCapture

Technical Specifications

Features	Specifications
Input	
Video resolution	Analog NTSC or PAL, 800 X 600 720 X 576; 720 X 480; 640 X 480 up to sub QVGA
Audio	Analog stereo
Interface/port	3.5mm A/V socket
Output	
USB	USB 2.0
Stream type	H.264/MPEG4-part10 video and AAC audio Elementary streams or in MP4 File format
OS supported	Windows XP, Windows 2000, RHEL or variants
Electrical	5V, Powered by USB
Wattage	less than 1 Watt
Temperature	
Operating	20 to 125 °F (recommended)
Storage	-40 to 140 °F
Mechanical	10 X 20 X 60 mm (H X W X L)

*Fast*VDO

About FastVDO

Founded in 1998, FastVDO delivers the right enabling technologies in video compression to enable rich communications at a variety of bandwidths. Commercializing advanced research in imaging systems, FastVDO plays a vital role in industry-wide standards to meet the evolving needs of the connected consumer.

Other Products and Services

➢H.264 decoder software optimized for Pentium, PXA270 and ARM 9

➢AAC decoder software optimized for Pentium, PXA270 and ARM 9

➢DirectShow filters for Windows and Windows mobile

➢Multimedia streaming, and DVB-H products

➢H.264 decoder ASIC IP core prototyped on Xilinx Virtex4

➢ASIC design, verification and FPGA prototyping

Contact

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