

Summary

The Kernel Labs Linux Driver for the AVerMedia CM313B allows for the deployment of the HD video capture in desktop, server, or datacenters.

A minicard PCIe interface and form factor makes it well suited for inclusion in high-density capture environments.

Features:

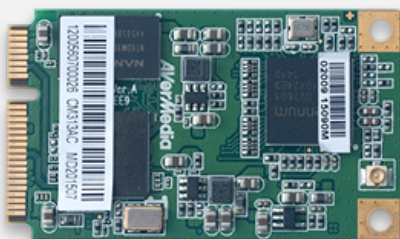
- ✓ H.264 encoder with AAC audio encoding
- ✓ Direct SDI to H.264 video compression
- ✓ 48KHz PCM Stereo Audio
- ✓ Adjustable Bitrate/Quality vs Disk Space usage
- ✓ Support for 3G-SDI rates up to 1080p60
- ✓ Wide selection of common broadcast resolutions supported
- ✓ Support for multiple capture devices with a single server
- ✓ V4L2 Compatible API for easy integration into existing workflows
- ✓ Sample code included for common use cases
- ✓ Command line tool to capture video (includes full source code)
- ✓ Doxygen API documentation for all public interfaces

Application Compatibility:

- ✓ Uses the standard Video4Linux API
- ✓ Gstreamer
- ✓ VLC
- ✓ Mplayer
- ✓ Xine
- ✓ v4l2-ctl

Supported Linux Distributions:

- ✓ Red Hat
- ✓ Fedora
- ✓ Ubuntu
- ✓ Centos



Supported Resolutions:

- ✓ 1920x1080p/60 (Recorded as 30p)
- ✓ 1920x1080p/50 (Recorded as 25p)
- ✓ 1920x1080p/24/25/30
- ✓ 1920x1080i50/60
- ✓ 1280x720p/60
- ✓ 1280x720p/50
- ✓ 720x576p
- ✓ 720x480p
- ✓ 640x480p
- ✓ Other resolutions available on request

System Requirements:

- Intel x86 or x86/64 based PC
- Full length miniPCIe slot
- Supported Linux distribution
- ARM / Embedded platforms available on request

Availability:

- Currently shipping
- Site licenses available
- Redistribution license available

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