

Summary

The Kernel Labs SDK for the AVerMedia Live Gamer Portable (Model C875) allows for the deployment of the custom High Definition video capture solutions with desktops, servers, or datacenters.

The SDK is optimised for integration into existing applications that require HD compressed video capture without requiring rebuilding the Linux kernel or installing custom kernel drivers.

Features:

- ✓ H.264 encoder with AAC audio encoding
- ✓ Adjustable Bitrate/Quality vs Disk Space usage
- ✓ Support for HDMI and Component/YPRPB inputs
- ✓ Wide selection of common input resolutions supported
- ✓ Zero delay HDMI passthrough
- ✓ Support for multiple capture devices with a single server
- ✓ Low CPU footprint, ideal for embedded designs

Application Compatibility:

- ✓ Dynamic or static-linked library with C based API
- ✓ Sample code included for common use cases
- ✓ Command line tool to capture video (includes full source code)
- ✓ Doxygen API documentation for all public interfaces
- ✓ No external runtime dependencies other than libusb

Supported Linux Distributions:

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



Supported Resolutions:

- ✓ 1920x1080p/60 (Recorded as p30)
- ✓ 1920x1080p/50 (Recorded as p25)
- ✓ 1920x1080p/30/25/24
- ✓ 1920x1080i/60
- ✓ 1920x1080i/50
- ✓ 1280x720p/60
- ✓ 1280x720p/50
- ✓ 720x576p
- ✓ 720x480p
- ✓ 640x480p

System Requirements:

- Intel x86 or x86/64 based PC
- USB 2.0 port
- Supported Linux distribution

Availability:

- Currently shipping
- Site licenses available
- Redistribution license available



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