

Summary

The Kernel Labs SDK for the GrabBee-HD USB capture device 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 video capture
- ✓ Wide selection of common input resolutions supported
- ✓ Support for multiple capture devices with a single server
- ✓ Low CPU footprint, ideal for embedded designs
- ✓ Small form factor hardware and bus powered

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)
- ✓ 1920x1080i/60
- ✓ 1920x1080i/50
- ✓ 1280x720p/60
- ✓ 1280x720p/50
- ✓ 720x576i/50
- ✓ 720x480i/59.94
- ✓ Others available on request

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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