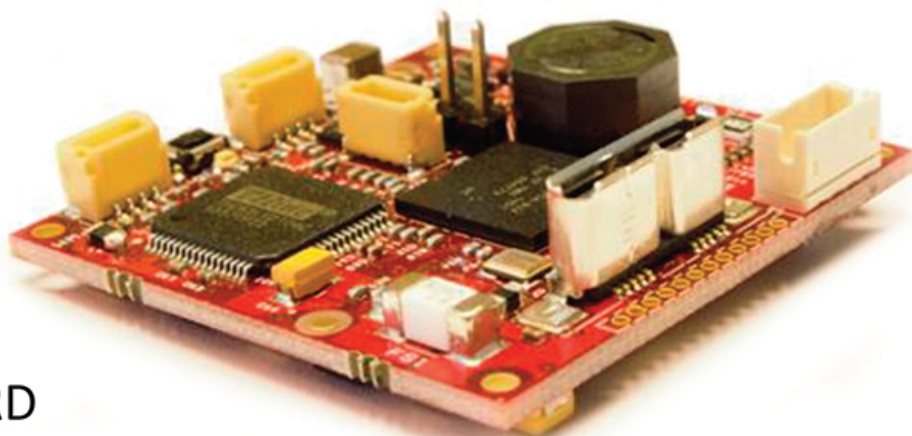




## LIBERTY USB 3.0

### FULL HD INTERFACE BOARD FOR SONY BLOCK CAMERAS



- SONY FCB Block Cameras to USB3.0 Interface
- 1080p 30fps video streaming
- One cable solution
- Push Button inputs for Zoom
- PWM output for LED dimming control
- Free SDK for windows and Linux
- UVC compliant

### Markets and Applications: Video Conferencing, Inspection Systems, UAVs, Robotics, Low Vision, Machine Vision.

**LIBERTY** extends the range of cameras that can be integrated into your USB3.0 products. This board provides a USB3.0 interface for the established SONY FCB block cameras providing a cost effective way to bring USB 3.0 into your product lines, reducing time to market and development costs. **LIBERTY** is a very compact and efficient solution allowing a one cable interface to a PC and comes with free UVC viewer application called OneView which will help you evaluate the board and camera for your application.

**LIBERTY** is capable of streaming 1080p at 30fps over USB 3.0 and includes push button inputs for camera zoom control, PWM output for external LED light control, and an efficient selectable power supply for the attached camera. As well as being powered completely over the USB bus, there is the option to provide camera power via an auxiliary power input connector.



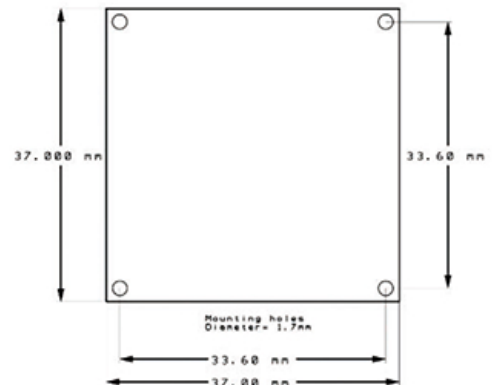
**LIBERTY** has a small form factor of only 37mm x 37mm x 12mm making it the smallest solution of its kind!

Even though the board is tiny, **LIBERTY** efficiently streams full HD video without compromise directly into a PC and is fully compatible with VREO's UVC viewer application OneView as well as other UVC programs.

**LIBERTY** is a perfect choice for both, brand new systems being designed for future use, and older systems that are getting updated and upgraded.

Supported Cameras from SONY	FCB-EH6500 FCB-EH6300 FCB-EH3410 FCB-EH3310 FCB-EH3150
	FCB-EV7500 FCB-EV7520 FCB-EV7300 FCB-EV7320 FCB-EV7310 FCB-EV7100 FCB-EV5500 FCB-EV5300
Interface	USB3.0
Operating Temperature	0°C – 50°C
Max Resolution	1080p at 30fps
Camera Output Voltage	5v or 9v (selectable)
Board Dimensions	37mm x 37mm x 12mm

For full specifications of each camera, please visit [www.vreoinnovation.com](http://www.vreoinnovation.com)



Actual size of the LIBERTY board

## Software Development Kit

Unique is a free SDK for use with the with the LIBERTY board. The SDK includes an easy to use application programming interface API and the source code for the OneView viewer program. It has solutions for Linux and Microsoft Visual Studio 2010, 2012, and 2013. This SDK allows you to concentrate on your application development.

- Full source code for OneView Viewer application
- API that makes software development easy
- Supports visual studio 2010, 2012, and 2013
- Video recording using H.264 encoder
- Rapid integration for developing your product
- Brand your end user GUI
- Direct read and write to camera registers

