Micro-Controller:

Bootloader installation and operation

Ver 1.0

2019/03/05

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# Introduction

The Micro-Controller Project is an open-source solution for hardware control and synchronization of scientific instruments. The focus of the project is to provide a general-purpose platform for integrating multiple peripheral devices in custom optical microscopes, enabling rapid prototyping and development of new tools and techniques. The hardware portions of the project are designed to be flexible and generic to increase the range of applications and portability of the device.

All aspects of the project are released under the permissive FreeBSD License to encourage contributions from users and developers, expanding upon the expertise and applications of the project’s originators. Source code, design files, and documentation are hosted online at <https://github.com/mjc449/SAIMscannerV3.git>. For the latest documentation and source files please visit the project repository.

This manual covers the USB HID bootloader portions of the project.