

Resource Summary Report

Generated by SPARC SAWG on Sep 17, 2026

FlyPi

RRID:SCR_021563

Type: Tool

Proper Citation

FlyPi (RRID:SCR_021563)

Resource Information

URL: <https://edspace.american.edu/openbehavior/project/flypi/>

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Description: Portal provides open source and affordable microscope experimental setup device based on Raspberry Pi, Arduino microcontroller and off-the-shelf electronic components. System design is based on 3D-printed mainframe, Raspberry Pi computer, and high definition camera system as well as Arduino based optical and thermal control circuits. All functions of FlyPi can be controlled through custom written graphical user interface.

Resource Type: data or information resource, instrument resource, portal, project portal

Defining Citation: [DOI:10.1371/journal.pbio.2002702](https://doi.org/10.1371/journal.pbio.2002702)

Keywords: Instrument, microscope experimental system, Raspberry Pi, Arduino microcontroller, high definition camera system, Arduino, optical control circuits, thermal control circuits, OpenBehavior

Availability: Free, Freely available

Resource Name: FlyPi

Resource ID: SCR_021563

Record Creation Time: 20220129T080356+0000

Record Last Update: 20260912T195958+0000

Ratings and Alerts

No rating or validation information has been found for FlyPi.

No alerts have been found for FlyPi.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.