
gphoto2-cffi Documentation

Release 0.1

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Python bindings for `libgphoto2` with an interface that strives to be idiomatic. In contrast to other bindings for Python, `gphoto2-cffi` hides most of the lower-level abstractions and reduces the API surface while still offering access to most of the library's features.

```
import gphoto2cffi as gp

# List all attached cameras that are supported
cams = gp.list_cameras()

# Get a camera instance by specifying a USB bus and device number
my_cam = gp.Camera(bus=4, device=1)

# Get an instance for the first supported camera
my_cam = gp.Camera()
# or
my_cam = next(gp.list_cameras())

# Capture an image to the camera's RAM and get its data
imgdata = my_cam.capture()

# Grab a preview from the camera
previewdata = my_cam.get_preview()

# Get a list of files on the camera
files = tuple(my_cam.list_all_files())

# Iterate over a file's content
with open("image.jpg", "wb") as fp:
    for chunk in my_cam.files[0].iter_data():
        fp.write(chunk)

# Get a configuration value
image_quality = my_cam.config['capturesettings']['imagequality'].value
# Set a configuration value
my_cam.config['capturesettings']['imagequality'].set("JPEG Fine")
```

Currently only Python 2.7 and 3.4 (CPython and PyPy) are supported, however support for 2.6 and 3.3 is planned for the future.

CHAPTER 1

Requirements

- libgphoto2 with development headers
- A working C compiler
- cffi

CHAPTER 2

Installation

From Source:

```
$ pip install git+https://github.com/jbaiter/gphoto2-cffi.git
```

Similar projects

- [piggyphoto](#): Uses ctypes
- [python-gphoto2](#): Uses SWIG

3.1 API Reference