
Adafruit VC0706 Library Documentation

Release 1.0

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Contents

1	Dependencies	3
2	Usage Example	5
3	Contributing	7
4	API Reference	9
4.1	adafruit_vc0706	9
	Python Module Index	11

VC0706 serial TTL camera module. Allows basic image capture and download of image data from the camera over a serial connection. See examples for demo of saving image to a SD card (must be wired up separately).

CHAPTER 1

Dependencies

This driver depends on:

- [Adafruit CircuitPython](#)

Please ensure all dependencies are available on the CircuitPython filesystem. This is easily achieved by downloading the [Adafruit library and driver bundle](#).

CHAPTER 2

Usage Example

See [examples/snapshot.py](#).

CHAPTER 3

Contributing

Contributions are welcome! Please read our [Code of Conduct](#) before contributing to help this project stay welcoming.

4.1 adafruit_vc0706

VC0706 serial TTL camera module. Allows basic image capture and download of image data from the camera over a serial connection. See examples for demo of saving image to a SD card (must be wired up separately).

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class `adafruit_vc0706.VC0706` (*rx*, *tx*, *, *baudrate*=38400, *timeout*=250, *buffer_size*=100)
Driver for VC0706 serial TTL camera module.

Parameters

- **rx** (*Pin*) – Receive pin
- **tx** (*Pin*) – Transmit pin
- **baudrate** (*int*) – Serial connection speed
- **timeout** (*int*) – Read timeout in seconds
- **buffer_size** (*int*) – Receive buffer size

frame_length

Return the length in bytes of the currently capture frame/picture.

image_size

Get the current image size, will return a value of IMAGE_SIZE_640x480, IMAGE_SIZE_320x240, or IMAGE_SIZE_160x120.

read_picture_into (*buf*)

Read the next bytes of frame/picture data into the provided buffer. Returns the number of bytes written to the buffer (might be less than the size of the buffer). Buffer MUST be a multiple of 4 and 100 or less. Suggested buffer size is 32.

take_picture ()

Tell the camera to take a picture. Returns True if successful.

version

Return camera version byte string.

a

adafruit_vc0706, 9

A

`adafruit_vc0706` (module), [9](#)

F

`frame_length` (`adafruit_vc0706.VC0706` attribute), [9](#)

I

`image_size` (`adafruit_vc0706.VC0706` attribute), [9](#)

R

`read_picture_into()` (`adafruit_vc0706.VC0706` method), [9](#)

T

`take_picture()` (`adafruit_vc0706.VC0706` method), [9](#)

V

`VC0706` (class in `adafruit_vc0706`), [9](#)

`version` (`adafruit_vc0706.VC0706` attribute), [9](#)