
vcgif Documentation

Release 1.2

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February 23, 2017

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Getting Started

This document will show you how to get up and running with vcgif.

Requirement

Python3 and pip3 are required for install vcgif.

```
# update system package
$ sudo apt-get update

# install python3 and pip3
$ sudo apt-get install python3 python3-pip
```

FFmpeg is required for process video.

```
$ sudo add-apt-repository ppa:mc3man/trusty-media
$ sudo apt-get update
$ sudo apt-get install ffmpeg
```

Install

After you match the requirements, you can install vcgif directly from PyPI.

```
$ sudo pip3 install vcgif
```

Usage

There is a simple example for vcgif.

```
$ vcgif -v /vagrant/SampleVideo_1280x720_2mb.mp4 -dest . -n test
```

Note: `-v` option is indicate your video path, `-dest` option is indicate the path where you want to put the gif, `-n` option is your gif file name.

Options

Open your command and running the following code, you will see a list of helps from vcgif.

```
$ vcgif -h
```

Command Option Lists

This does is aim to describe all existing options in the vcgif.

Video path

The option `-v` or `--video` is used for indicate the video path.

Note: `vcgif -v /var/www/video.mp4`

Picture path

The option `-p` or `--picture` is used for indicate your picture path, you can have multiple pictures path exist.

Note: `vcgif -p /var/www/pic1.png /var/www/pic2.png`

Gif start time

The option `-st` or `--start-timestamp` is mark the start time from the video. picture is not require use this option.

default value is 0

Note: `vcgif -st 10`

Gif duration time

The option `-gd` or `--gif-duration` is the display time for your gif.

default value is 5

Note: `vcgif -gd 10`

Frames per second

The option `-fps` or `--fps` is for the frames per second of output gif.

default value is 15

Note: `vcgif -fps 20`

Gif quality

The option `-q` or `--quality` is indicate your gif quality.

default value is “low“, you can use “high“ to generate high quality gif

Note: `vcgif -q high`

Gif file destination

The option `-dest` or `--destination` is indicate your output file path.

default value is “.”

Note: `vcgif -dest /var/www/gif`

Gif file name

The option `-n` or `--name` is your gif file name.

default value is uuid random string (*do not need add file extension at the end*)

Note: `vcgif -n my_gif`

API Reference

Gif Abstract Class

class `vcgif.GifAbstract.GifAbstract`
Gif Abstract Class

This class is gif abstract class, all convert class(video or picture) should inherit from this class.

Args:

- `video (string)`: video path.
- `start_timestamp (int)`: set the start timestamp of the video.
- `gif_duration (int)`: set the gif duration length.
- `fps (int)`: set the gif file frame rate.
- `quality (string:high, string:low)`: set the gif file quality.
- `destination (string)`: set the gif file output path.
- `gif_name (string)`: set the gif filename.

destination

string: return gif output file path.

Parameters `path` – string

fps

int: return gif fps number.

Parameters `number` – integer

generate_gif()

Abstract method for generate gif

All class should implement this method, even using *pass*.

gif_duration

int: return gif duration length.

Parameters `length` – integer

name

string: return gif output filename.

Parameters `name` – string

quality

string: return gif file quality.

Parameters **quality** – string

start_timestamp

int: return start timestamp length.

Parameters **time** – integer

video

string: return video path.

Parameters **path** – string

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