Python Kodak Smart Home

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QUICK START

CHAPTER

ONE

KODAKSMARTHOME PACKAGE

1.1 Submodules

1.2 kodaksmarthome.api module

class kodaksmarthome.api.**KodakSmartHome**(*username*, *password*, *region='EU'*)

Bases: object

Kodak Smart Home API session.

Provides connection to Kodak Smart Home portal.

Parameters

- **username** (*str*) – username registered in Kodak Smart Home Portal
- **password** (*str*) – password registered in Kodak Smart Home Portal
- **region** (*str*) – Global Region Portal. Options: 'EU'. Default: 'EU'

connect()

Connect to Kodak Smart Home Portal and get all information needed.

Returns None

Exception ConnectionError

disconnect()

Disconnect from Kodak Smart Portal

Returns None

Exception ConnectionError

get_battery_events(*device_id=None*)

List all battery devices events from specific device, sorted by creation date.

Returns list of battery devices events

Exception ConnectionError

Return type list

property get_devices

List all registered devices in Kodak Smart Portal and its details.

Returns all devices and information

Exception ConnectionError

Return type list

property get_events
Get all devices events

Returns list of devices events

Exception ConnectionError

Return type list

get_events_device(*device_id=None*)
Get all device events

Parameters **device_id** (*str*) – device id available in the device information KodakSmartHome.get_devices

Returns list events

Return type list

get_motion_events(*device_id=None*)
List all motion devices events from specific device sorted by creation date.

Returns list of motion devices events

Exception ConnectionError

Return type list

get_sound_events(*device_id=None*)
List all sound devices events from specific device sorted by creation date.

Returns list of sound devices events

Exception ConnectionError

Return type list

update()
Update the device list and events data

Returns True

Return type bool

Exception ConnectionError

1.3 kodaksmarthome.constants module

1.4 Module contents

CHAPTER

TWO

PYTHON KODAK SMART HOME

Python Kodak Smart Home is a library written in Python 3 (>=3.7) that works as API for [Kodak Smart Home Portal](https://kodaksmarthome.com).

This API uses the credentials from Kodak Smart Home Portal to fetch devices registered and its events to be used as Python Projects.

This project is not part of Kodak.

2.1 Installation

```
pip install python-kodaksmarthome
```

2.2 Usage

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THREE

INITIALIZING THE CONNECTION

```
>>> from kodaksmarthome import KodakSmartHome
>>> my_home = KodakSmartHome('my@email.com', 'my-pass')
>>> my_home.connect()
>>> my_home.is_connected
True
```

CHAPTER

FOUR

LISTING DEVICES, STATE, MODEL AND DEVICE ID

```
>>> for device in my_home.get_devices:
...   print(f"Device: {device['name']}")
...   print(f"Device ID: {device['device_id']})
...   print(f"Model: {device['model_name']})
...   print(f"Online: {device['is_online']}\n")
...
Device: Playground
Device ID: '000009999999999999999999'
Model: Cherish 525
Online: False

Device: Bedroom
Device ID: '000002222222222222222222'
Model: Cherish 525
Online: True
```

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FIVE

GETTING LAST DEVICE MOTION EVENTS AND SOME DETAILS

```
>>> motion_events = my_home.get_motion_events(device_id="00000222222222222222222")
>>> for event in motion_events[:2]:
...     print(f"snapshot: {event['snapshot']}")
...     print(f"video_recorded: {event['data'][0]['file']}")
...     print(f"data: {event['created_date']}\n")

snapshot: http://video_url/00000222222222222222222/SNAPSHOT.jpg
video_recorded: http://video_url/00000222222222222222222/VIDEO000001.flv
date: 2020-01-04T16:11:48.000Z

snapshot: http://video_url/00000222222222222222222/SNAPSHOT
video_recorded: http://video_url/00000222222222222222222/VIDEO000002.flv
date: 2020-01-04T16:08:52.000Z
```

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