
ScreenRecorderSDK Documentation

Andrey Parfenov

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SYSTEM REQUIREMENTS

- Windows ≥ 10 , may work on Windows 8.1 and Windows Server 2012, but we don't ensure it
- DirectX, you can install it from [Microsoft Website](#)
- Media Feature Pack, download it [here](#)
- 64 bits Java or Python, we don't provide x86 libs

2.1 Python API Reference

2.1.1 screen_recorder_sdk.screen_recorder

class screen_recorder_sdk.screen_recorder.**RecorderParams** (*desktop_num=0, pid=0*)
 Bases: object

inputs parameters for init_resources method

Parameters

- **desktop_num** (*int*) – desktop num, counting from 0
- **pid** (*int*) – pid of process to capture

exception screen_recorder_sdk.screen_recorder.**RecorderError** (*message, exit_code*)
 Bases: Exception

This exception is raised if non-zero exit code is returned from C code

Parameters

- **message** (*str*) – exception message
- **exit_code** (*int*) – exit code from low level API

screen_recorder_sdk.screen_recorder.**init_resources** (*params*)
 Init resources for recording

Parameters **params** (*RecorderParams*) – params for recording

Raises **RecorderError** – if non zero exit code returned from low level API

screen_recorder_sdk.screen_recorder.**get_screenshot** (*max_attempts=1*)
 Get Screenshot

Parameters **max_attempts** (*int*) – max attempts to capture frame buffer

Returns Pillow Image

Return type Pillow Image

Raises **RecorderError** – if non zero exit code returned from low level API

screen_recorder_sdk.screen_recorder.**get_pid**()
 Get PID

Return type int

Returns PID

Raises RecorderError – if non zero exit code returned from low level API

`screen_recorder_sdk.screen_recorder.free_resources()`
Free Resources

Raises RecorderError – if non zero exit code returned from low level API

`screen_recorder_sdk.screen_recorder.enable_log()`
Enable Logger

Raises RecorderError – if non zero exit code returned from low level API

`screen_recorder_sdk.screen_recorder.enable_dev_log()`
Enable Dev Logger

Raises RecorderError – if non zero exit code returned from low level API

`screen_recorder_sdk.screen_recorder.disable_log()`
Disable Logger

Raises RecorderError – if non zero exit code returned from low level API

`screen_recorder_sdk.screen_recorder.start_video_recording(filename,
frame_rate=30,
bit_rate=8000000,
use_hw_transfowrms=True)`
Start Video Recording

Parameters

- **filename** (*str*) – filename to store video
- **frame_rate** (*int*) – FPS
- **bit_rate** (*int*) – bit rate, set higher values for better quality
- **use_hw_transforms** – if you have good GPU set this flag to True for better perf, if you see errors try to set it to false

Raises RecorderError – if non zero exit code returned from low level API

`screen_recorder_sdk.screen_recorder.stop_video_recording()`
Stop video recording

Raises RecorderError – if non zero exit code returned from low level API

`screen_recorder_sdk.screen_recorder.set_log_file(log_file)`
redirect logger from stderr to file, can be called any time :param log_file: log file name :type log_file: str :raises RecorderError: if non zero exit code returned from low level API

2.1.2 screen_recorder_sdk.exit_codes

class `screen_recorder_sdk.exit_codes.RecorderExitCodes` (*value*)

Bases: `enum.Enum`

Enum to store all possible exit codes

STATUS_OK = 0

NO_SUCH_PROCESS_ERROR = 100

RECORDING_ALREADY_RUN_ERROR = 101

RECORDING_THREAD_ERROR = 102

```
RECORDING_THREAD_IS_NOT_RUNNING_ERROR = 103
INVALID_ARGUMENTS_ERROR = 104
SESSION_NOT_CREATED_ERROR = 105
PREPARE_DESK_DUPL_ERROR = 106
CREATE_TEXTURE_ERROR = 107
DDA_CAPTURE_ERROR = 108
FIND_WINDOW_ERROR = 109
DDA_LOST_ACCESS_ERROR = 110
DDA_TIMEOUT_ERROR = 111
SYNC_TIMEOUT_ERROR = 112
GENERAL_ERROR = 113
```


CODE SAMPLES

3.1 Python

3.1.1 Python Basic Demo

```
import time
import numpy

from screen_recorder_sdk import screen_recorder

def main ():
    screen_recorder.enable_dev_log ()

    params = screen_recorder.RecorderParams ()
    # params.pid = 0 # use it to set process Id to capture
    # params.desktop_num = 0 # use it to set desktop num, counting from 0

    screen_recorder.init_resources (params)

    screen_recorder.get_screenshot (5).save ('test_before.png')

    screen_recorder.start_video_recording ('video1.mp4', 30, 8000000, True)
    time.sleep (5)
    screen_recorder.get_screenshot (5).save ('test_during_video.png')
    time.sleep (5)
    screen_recorder.stop_video_recording ()

    screen_recorder.start_video_recording ('video2.mp4', 30, 8000000, True)
    time.sleep (5)
    screen_recorder.stop_video_recording ()

    screen_recorder.free_resources ()

if __name__ == "__main__":
    main ()
```


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SEARCH

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