

Photo Review Dialog Overview

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1 Library Overview

Scope of This Document

This document provides an explanation of Photo Review Dialog library, which enables the application to view photo data. Photo Review Dialog library is one of the functions in Common Dialog library, and provides the following functions:

- Full-screen display of 1 file
- Registration of 1 file to the system software

Purpose and Features

Photo Review Dialog library supports the application in achieving the viewing of single photo data. With Photo Review Dialog library, the process for full-screen display of photo data can easily be implemented by the application.

Photo Review Dialog library is one of the functions in Common Dialog library. It conceals GUI display and user operation handling. The usage flow is as follows: first, call specifying calling mode and filename of a photo file to be reviewed; then, monitor shut-down of the dialog by polling; finally, retrieve call results.

Main Functions

The main functions offered by Photo Review Dialog are as follows:

- Full-screen display of 1 file
- Registration of 1 file to the system software

Consumed Resources

The system resources used by the Photo Review Dialog library are listed below.

Resource	Description
Work memory	When using the function for registration to the system software, 32 KiB in addition to the <i>workMemory</i> given explicitly by the application

Embedding into a Program

Include `photoreview_dialog.h` in the source program. Various header files will be automatically included as well.

The PRX module need not be loaded.

Upon building the program, link `libSceCommonDialog_stub.a`.

Sample Programs

The following program is provided as a Photo Review Dialog sample program for reference purposes.

`sample_code/system/api_photoreview_dialog/fixed_basic`

This sample uses the functions of Photo Review Dialog to execute photo file review.

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Reference Materials

For the common limitations, specifications, etc., of the Common Dialog library, refer to the following document.

- Common Dialog Overview

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2 Usage Procedure

Basic Usage Procedure

The basic procedure to call the Photo Review Dialog library is described below. The processing flow is outlined below.

- (1) Set the parameters to the variables of the `ScePhotoReviewDialogParam` type.
- (2) Call a function.
- (3) Wait for the response from the dialog.
- (4) Retrieve the call results.
- (5) End processing.

Figure 1 Basic Processing Procedure

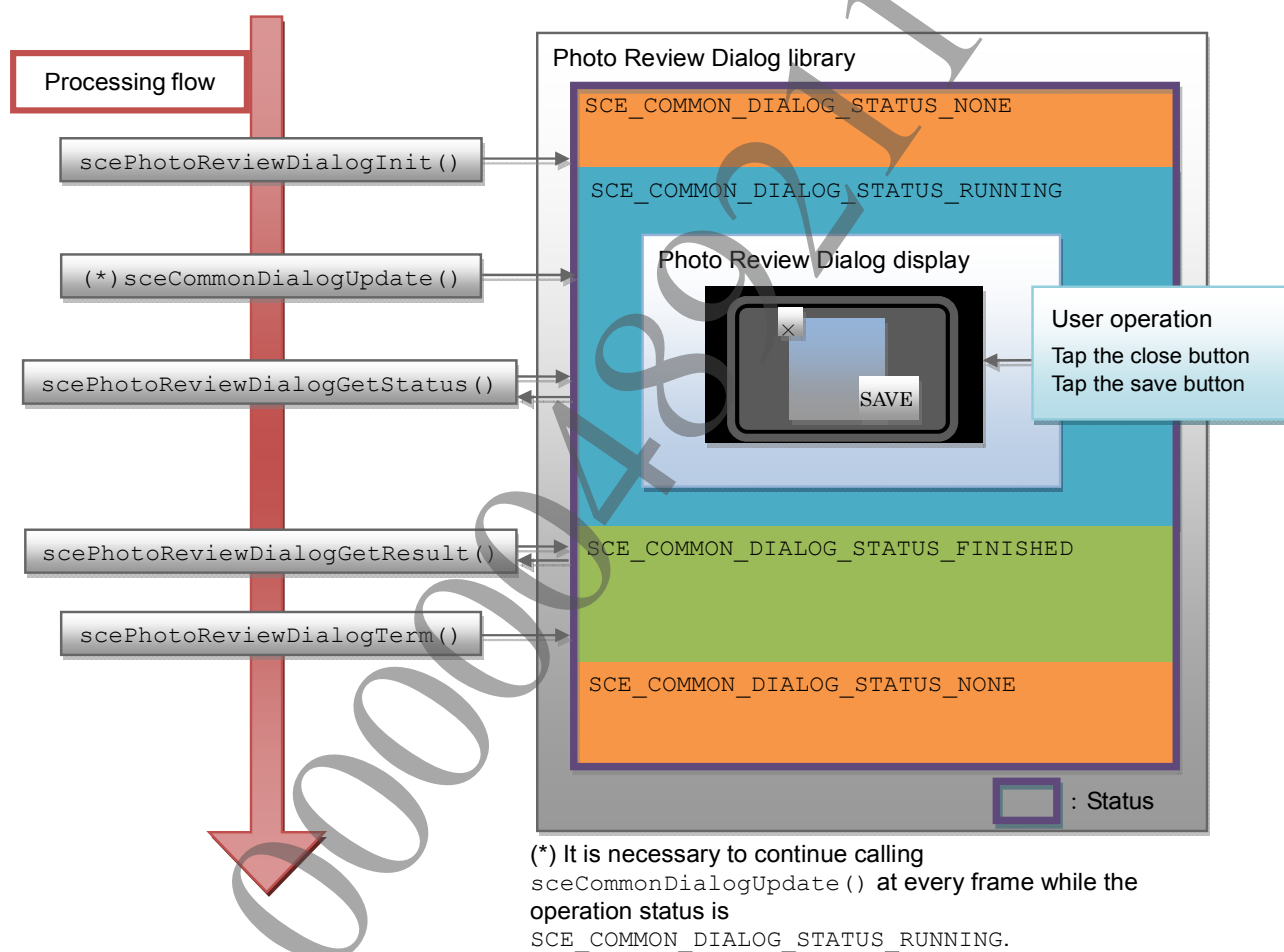


Photo Review Dialog Call Procedure

First, prepare the `ScePhotoReviewDialogParam` type variable and following initialization with `scePhotoReviewDialogParamInit()`, be sure to set the operation mode (*mode*) and the parameters that are required accordingly.

(1) Calling the function

Call a Photo Review Dialog function with `scePhotoReviewDialogInit()`. Specify the `ScePhotoReviewDialogParam` type variable set beforehand as the argument.

(2) Waiting for the response from the dialog

Call `scePhotoReviewDialogGetStatus()` to poll the operation status of Photo Review Dialog at each frame.

Note

`sceCommonDialogUpdate()` must be called at every frame while the operation status is `SCE_COMMON_DIALOG_STATUS_RUNNING`. For details, refer to the "Common Dialog Overview" document.

(3) Retrieving the call results

When the operation status changes to `SCE_COMMON_DIALOG_STATUS_FINISHED`, the results can be retrieved with `scePhotoReviewDialogGetResult()`.

(4) Terminating the processing

When the operation status becomes `SCE_COMMON_DIALOG_STATUS_FINISHED`, call `scePhotoReviewDialogTerm()` to terminate the processing. As a result, the resources acquired during calling are released, and the operation status becomes `SCE_COMMON_DIALOG_STATUS_NONE`.

Aborting the processing

When quitting an application, etc., to abort the display of Photo Review Dialog from the application side on an emergency basis, call `scePhotoReviewDialogAbort()`. Display will quickly terminate, and operation status will change to `SCE_COMMON_DIALOG_STATUS_FINISHED`. In this case, too, the call result will be retrieved with `scePhotoReviewDialogGetResult()`. `SCE_COMMON_DIALOG_RESULT_ABORTED` is returned as retrieved result.

Main APIs Used for Basic Processing

API	Description
<code>ScePhotoReviewDialogParam</code>	Parameter structure such as mode setting
<code>scePhotoReviewDialogParamInit()</code>	Initializes parameter structure
<code>scePhotoReviewDialogInit()</code>	Calls function
<code>scePhotoReviewDialogGetStatus()</code>	Retrieves operation status
<code>scePhotoReviewDialogGetResult()</code>	Retrieves call results
<code>scePhotoReviewDialogTerm()</code>	Ends calling of function
<code>scePhotoReviewDialogAbort()</code>	Aborts calling of function

3 Reference Information

Libraries to Be Loaded and Initialized Beforehand

In order to use the Photo Review Dialog library, the dependent library must be loaded by calling the following API beforehand.

```
sceSysmoduleLoadModule(SCE_SYSMODULE_PHOTO_EXPORT);
```

Calling Modes

If `SCE_PHOTOREVIEW_DIALOG_MODE_DEFAULT` is set in *mode* of `ScePhotoReviewDialogParam`, registration of the photo data to be reviewed to the system software will be enabled. If registration to the system software is not necessary, set `SCE_PHOTOREVIEW_DIALOG_MODE_ONLY_REVIEW` in *mode*.

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4 Precautions

Limitations

Common Dialog limitations apply.

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