SAMSUNG TECHWIN

SAMSUNG DIGITAL PRESENTER
Software User's Manual

SDP-860
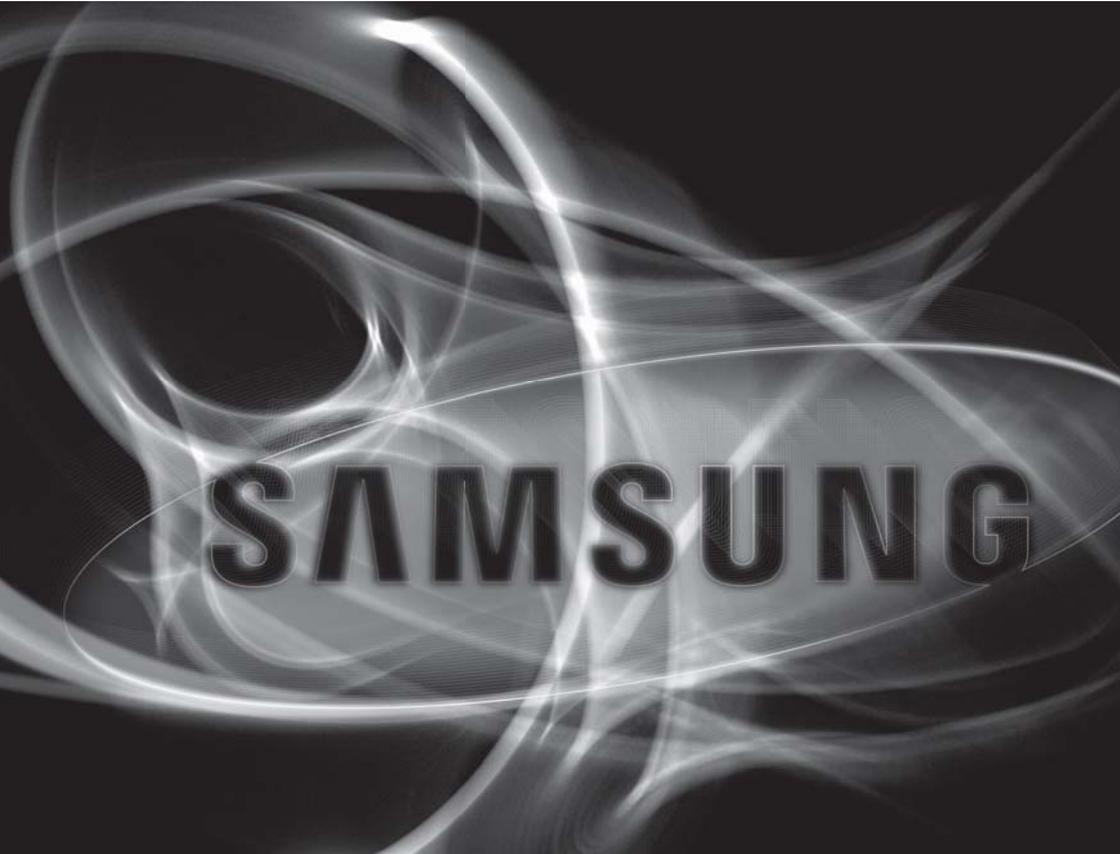
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Samsung Digital Presenter
Software User's Manual

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- If the system behaves abnormally because you run a program irrelevant to the system operation.
- Deteriorated performance or natural worn-out in process of time

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INSTALLING SAMSUNG DIGITAL PRESENTER SOFTWARE

When connected to a computer, your Samsung Digital Presenter can be used in a number of ways. You can capture the displayed images as still images, create movies with audio, integrate and annotate with your electronic whiteboard, and even use as a web cam.

To use these features, first connect the digital presenter to a computer using the supplied USB cable in the package. Then install the Samsung Digital Presenter software from the supplied software application CD.

System Requirements

To install the Samsung Digital Presenter software, it is recommended that your computer should have the following system configuration:

- CPU: Pentium 4 or above (Core2 duo or higher recommended)
- Windows XP Service Pack 3 or higher
  - Compatible Windows Programs: Windows XP (Service Pack 3) / Windows Vista (Service Pack 1) / Windows 7
- RAM: 512MB or more (2GB or more recommended)
- USB 2.0 Port
- Graphic Cards that support XGA resolution with at least 65,536 colors
  - Video RAM 256MB or more
  - SXGA or higher resolution recommended
  - CD-ROM Drive

■ USB 2.0 PCI Cards or USB 2.0 PCMCIA Cards are not formally supported. Samsung's Digital Presenter may not function properly in computers with USB 2.0 PCI/PCMCIA cards.

■ Usage of certain Windows 7 desktop themes may create display issues with the Samsung software program. Samsung recommends using the basic Windows 7 theme while using SDP-860 USB S/W.

Installing Program

Please install the program following the instructions below.

1. Connect the Samsung Digital Presenter to a computer using the USB cable and turn on the unit.

2. Insert the CD-ROM and follow the prompts to install the Samsung Digital Presenter program.
   (For more detailed instructions, please refer to Installing the Samsung Digital Presenter Program.)

Connecting Samsung Digital Presenter to a Computer

Connect the USB cable to the USB port of your computer and digital presenter.

Connect the power cable of the digital presenter, and then turn on the power.
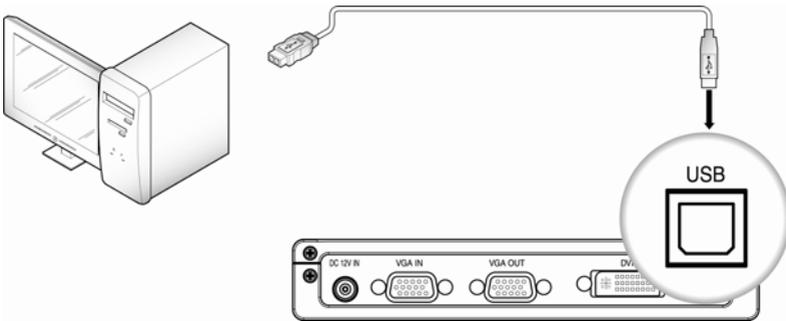
> ■ When connecting the USB cable to a computer, please use a USB port that is connected directly to the computer main board.
> (An extended front port and wireless USB hub may cause errors depending on the computer brand and model.)
> A 4m or shorter USB cable is recommended to connect a digital presenter and a computer.

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Installing the Samsung Digital Presenter Program

1. You may install the program in your computer before connecting the computer with the digital presenter via USB; the presenter will function properly.

2. Click on install viewer to start installing the program. → Click on [USB S/W] → [SDP USB Viewer]

3. When the following installation window appears, press Next.

4. Select a folder to install the program, and then press Next to start the installation process.
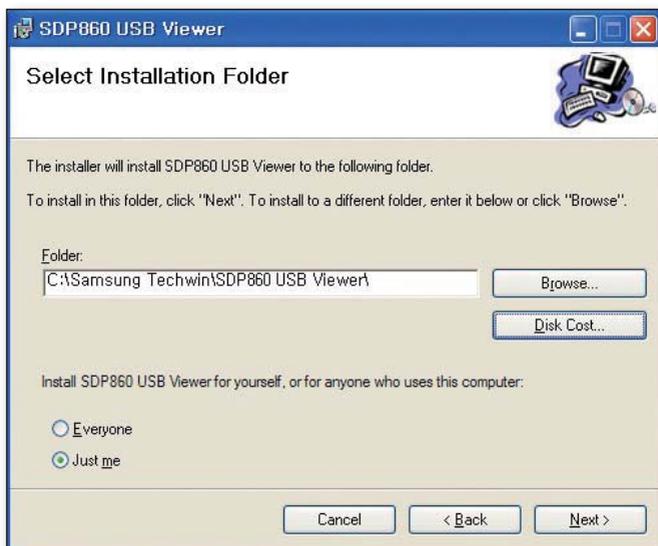
5. During the installation process the following screen will be displayed.
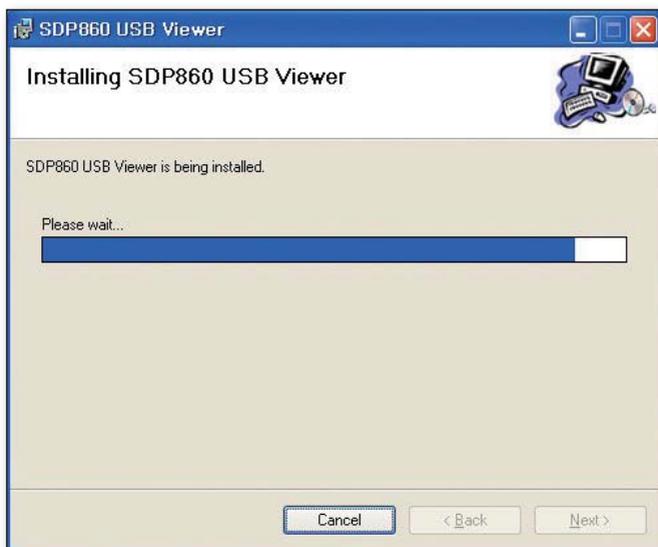
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6. The installation is complete when the following dialog appears.
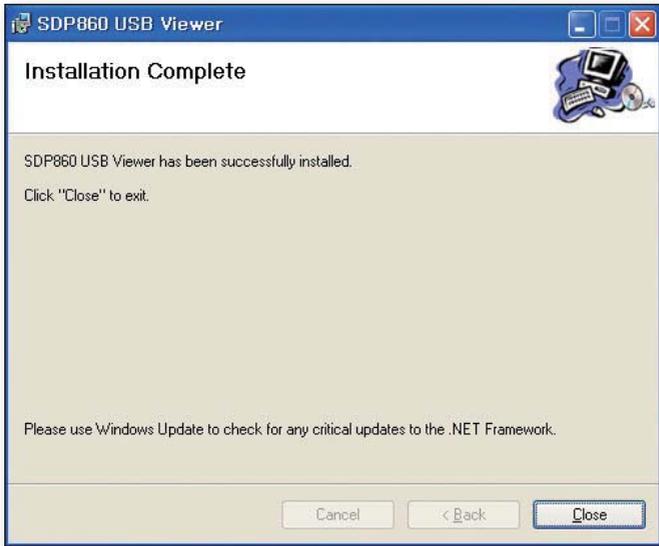
After the installation is completed, the SDP860 USB Viewer icon appears on the Desktop along with the program and user's manual shortcuts under the Start menu.

> ⚠ ▪ If you receive a .Net Framework error message during the installation, it indicates that your computer is not installed with .Net Framework. To resolve this problem, first install the .Net Framework installation file in the enclosed CD, and then the viewer program. (Required: .Net Framework 2.0 or higher).

Installation Q&A

How can I check if my computer supports USB?

1. This guideline is based on Widows Vista. Other Windows versions may use different steps to check the Device Manager.

2. In Windows Vista, go to [Control Panel] → [System] → [Device Manager].

3. As shown in the picture below, your computer displays USB-related features--USB Universal Host Controller, USB root hub, etc.-(if USB connections are supported).

4. As shown in the picture below, your computer will display USB Enhanced Host Controllers if it supports USB 2.0 connections.
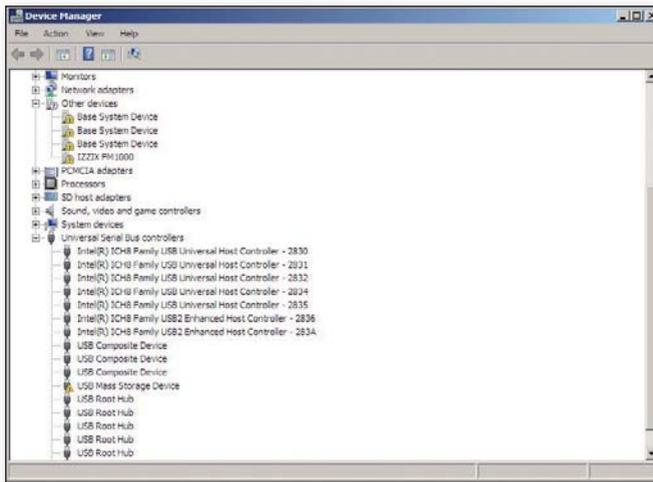
How can I delete USB drivers and the Samsung Digital Presenter program from my computer?

Go to [Control Panel] → [Add or remove programs], select SDP860 USB Viewer, and then click on [Remove/Change] to uninstall or restore the program. Follow instructions on the Remove/Change screen to uninstall or restore the program.

- Samsung Digital Presenter does not require the installing or deleting of USB drivers.
  Unlike other brands, the SDP-860 presenter supports (web cam capablities), allowing you to connect it to a computer via USB without installing or deleting additional drivers.

opening samsung digital presenter program

OPENING SAMSUNG DIGITAL PRESENTER PROGRAM

1. Turn on the presenter and computer.

2. To open the presenter program in your computer, double-click on the Samsung Digital Presenter icon on Desktop or go to [Start] → [Programs] → [SDP860 USB Viewer].

3. The digital presenter program opens with main and control panel.

■ If the program does not open, please check if both the presenter and computer are turned on or the USB cable is properly connected to both of them.

■ Do not unplug the USB cable or turn off the digital presenter while playing, capturing, or saving files using the digital presenter program; it may damage your digital presenter and/or computer.

Samsung Digital Presenter Main Panel Overview
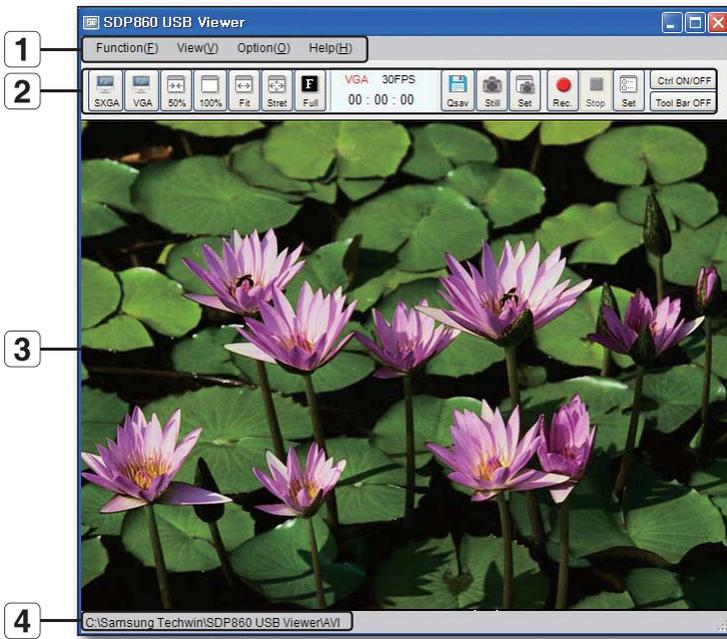
	Name	Description
1	**Menu bar**	Provides 4 options: Function, View, Option and Help. For more detailed information, please refer to Main Menu.
2	**Tool Bar**	The Tool Bar provides quick access buttons for various controls. This menu bar can be hidden to increase the overall viewing area. (Note: All Tool Bar functions can be found on the Main menu bar)
3	**View Area**	Displays a live image of the subject matter displayed by the SDP-860. This area is used as the preview screen to save pictures or record videos using the menu buttons.
4		Video Save Directory: Displays the directory and filename of video assigned when starting the video record function.

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Main Menu

1. [Function]
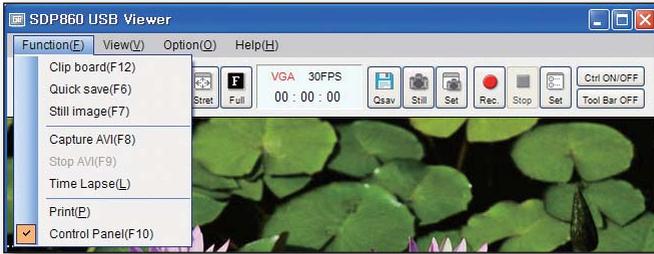
Clip board

Capture the current image to the clipboard. (Hot key: F12)

Quick save

While viewing a live image from the digital presenter in the Viewer window, select Quick save or click on the Quick Save ICON on the panel to instantly capture and store the image (Hot key: F6).

The path (folder) and image quality can be changed under the Option Menu. The filename cannot be customized, however, as it is automatically saved in the name of YYYYMMDDHHMMSS.jpg based on the computer's current clock settings (date/time).

For example, if the captured time is 2009 September 09 at 15:23:40, the captured filename will be 20090909152340.jpg.

> ■ Pressing the Quick Save button more than twice per second saves only the latest image in the computer hard disk.

Still Image

Save the currently displayed image. To save an image, press still image and select the file directory, filename, and type (BMP/JPEG), and then press Save. (Hot key: F7)
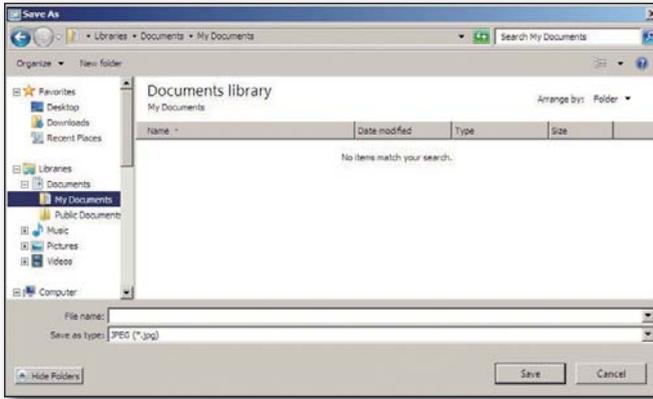
Capture AVI

Creates and saves the live display as a video file;

First, press the record button to start recording a movie of the material currently projected by the digital presenter.

Once the video recording starts, the status bar displays the current elapsed time of the video along with the Recording message above it to show the current recording status.

You can change the Record settings in the Environment Setting: recorded files' directory, Image quality, and other attributes. (Hot key: F8)

Stop AVI

Stop capturing AVI file. (Hot key: F9)

Time Lapse

After pressing the [Time Lapse], you can watch below setting window.
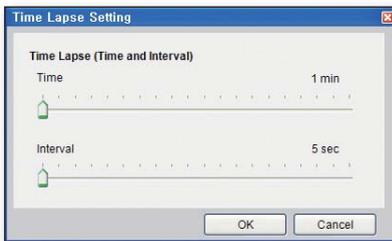
Time Lapse sets the frame rate for recording. If you set the "Interval" to 5 sec, you can get only 1 frame image for 5 sec interval. The result will look like high speed recording. You can apply limit to the total recording time. (The playback frame rate of Time Lapse recording will be fixed to 15frame/sec.)

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Print

To print an image, select [Print] to send the currently displayed image to a connected printer.

Control Panel

Show / Hide the Control Panel. (Hot key: F10)

2. [View]
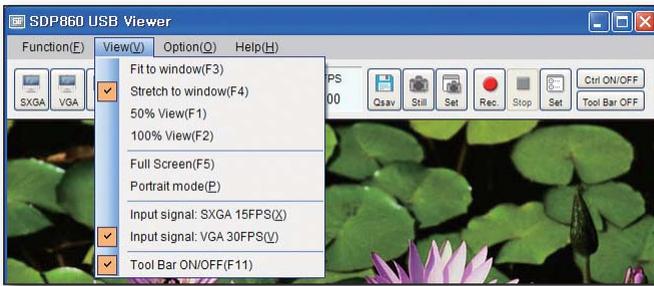
Fit to window

The displayed image will be adjusted to the width of the Viewer window. The ratio in length of image will be automatically adjusted according to the ratio in width, regardless of window size. (Hot key: F3)

Stretch to window

The displayed image will be stretched to fit to the current window size. (Hot key: F4)

50%

The displayed image will be set to 50% of original size. (Hot key: F1)

100%

The displayed image will be set to the original size. (Hot key: F2)

Full Screen

The displayed image will be enlarged to a full screen display. Ideal when using electronic whiteboards for annotation and capture. (Hot key: F5)

Normal window → Full Screen (Hot key:F1), Full Screen → Normal window (Hot key: ESC)

Portrait Mode

Crop the image for portrait picture. (Initial value Width: 3, Height: 4)

While in the Portrait mode you can only use the Still Image and Quick save features. Movies using the Capture AVI cannot be created.

You can set detailed ratio on [Option] → [Portrait Option](Please refer to Portrait mode Option)

Input Signal

The SDP-860 Viewer application supports two input resolution settings: SXGA and VGA. The SXGA mode provides higher quality images 15 frames per second. The VGA mode provides a higher frame rate of 30fps but at a slightly reduced image quality. To capture and display the highest quality images, use the SXGA mode. If full motion display is more critical for your presentation or for movie recording, choose the VGA mode.

Tool Bar

Show / Hide the Tool Bar.

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3. [Option]
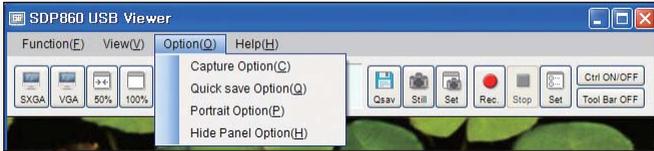
Recording Setting

You can set the detailed recording options.
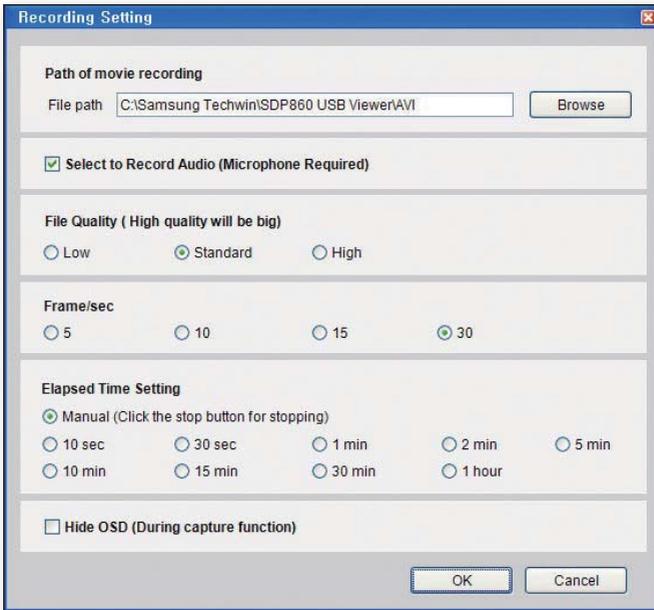
You can change the directory of saving video. Initial value is C:\Samsung Techwin\SDP860 USB Viewer\AVI.

☑ Select to Record Audio (Microphone Required)

The Samsung Digital Presenter USB viewer program can record audio along with video. When checking on the audio input option, the viewer records video and audio using the ADPCM codec. A microphone must be connected to your computer (or use the computer's built-in microphone) to record audio via the Viewer application.

File Quality (High quality will be big)

○ Low   ⦿ Standard   ○ High

Select Video File Quality (Affects the file size and video quality.)

High provides the highest video quality, but increases the file size. Standard is a normal quality, and LOW generates an increase in video noise. The default quality is Standard.

Frame/sec

○ 5   ○ 10   ○ 15   ⦿ 30

Changing Recording Frames

The SXGA resolution can save a maximum of 15 frames per second while VGA allows up to 30 frames. A higher frames/sec setting enhances the video quality, but it increases the file size. Select the frames that can satisfy both desired video quality and size.

Elapsed Time Setting
⦿ Manual (Click the stop button for stopping)
○ 10 sec   ○ 30 sec   ○ 1 min   ○ 2 min   ○ 5 min
○ 10 min   ○ 15 min   ○ 30 min   ○ 1 hour

You can change the recording duration. When selecting Unlimited, you can stop recording video at any time.

☐ Hide OSD (During capture function)

Selecting this box will hide the On Screen Display (OSD) menus such as zoom, brightness, focus, etc. while recording a movie.

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Quick save option

The Quick Save option allows the user to select or create a folder rather than the default location to store captured images.

Quicksave setting ✕

The path of Quick save

File Path | C:\Samsung Techwin\SDP860 USB Viewer\QuickSave | Browse

File Quality (High quality will be big size.)

○ Low   ⦿ Middle   ○ High

OK   Cancel

The path of Quick save

File Path | C:\Samsung Techwin\SDP860 USB Viewer\QuickSave | Browse
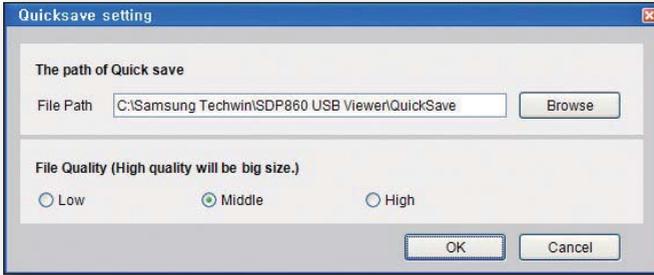
Change the path of Quick save. Initial value is
C:\Samsung Techwin\SDP860 USB Viewer\Quicksave.

File Quality (High quality will be big size.)

○ Low   ⦿ Middle   ○ High

Select the quality of saved images. High provides the highest image quality, but increases the file size.

Portrait mode option

Change the Portrait mode ratio. Choose 1 of 4 popular options or if preferred, create a custom user option.
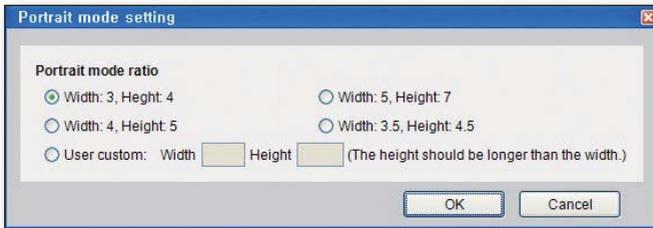
Hide Panel Option

Sets the delay to hide the mini control when in full screen mode.
If it is set to 0, the mini control will not hide.

4. [Help]
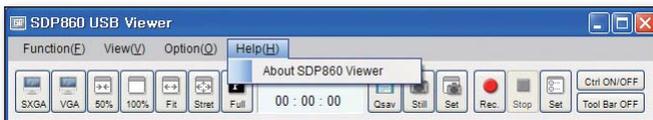
Displays the current version information for the SDP-860 USBViewer application.

Select the [About SDP860 Viewer] button to view the current software version.

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Tool Bar

The Tool Bar is a collection of popular functions from Main menu.
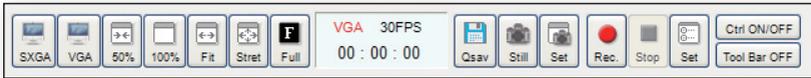
	Input signal buttons. (VGA, SXGA)
	View mode(50%, 100%, Fit to window, Stretch to window)
	Enlarge to Full Screen.
	Quick save, Still Image, Quick save option
	Capture AVI, AVI Stop, Capture option
	Control Panel
	Tool Bar OFF

Status Display

Displays the current resolution setting, frame/sec, and recording time. During recording the frame/sec and recording time color changes to blue.

During the recording the frame/sec and recording time color change to blue.

Samsung Digital Presenter Control Panel Overview

With the Samsung Digital Presenter program, you can control and adjust the features of the SDP-860 from the software. You can also set the OSD menu on the presenter.

Using Samsung Digital Presenter Control Panel
- You can control Digital functions. (ZOOM, BRIGHTNESS, FOCUS, etc,.)
- The buttons on the Control Panel are the same as buttons on Samsung Digital Presenter or those of a remote controller. (For details, refer to Samsung Digital Presenter User's Manual.)

Minimize : Hide the control panel.

Wide / Tele : Reduces or enlarges the image size on the screen.

BRIGHTNESS +/- : Adjust the brightness of the image on the screen.

Near / Far : Adjust focus manually.

AWB : Adjust auto color (You should set OSD Menu IMAGE ADJUSTMENT WB MODE: AWB(KEY) for using AWB function.).

AF : Adjusts auto focus.

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LAMP ON/OFF : Use this to turn ON/OFF the upper lamp.

FREEZE : Turns on/off aperture mode.
(If you want to Freeze current image on the viewer you should select [OSD Menu] → [MISCELLANEOUS FUNCTION] → [FREEZE] → [ALL].)

You can watch current status and mode of the digital presenter.

LIVE : Display the current mode. (Live mode or not). If the current mode is not LIVE, you could not use Control Buttons.

FREEZE : Display the status of freeze function.

MICRO : Display the Microscope mode. You can Exit this mode to push Esc button.

MACRO : Display the MACRO mode. You can Exit this mode to push Esc button.

INTERNAL/EXTERNAL : Display the Internal/External status.
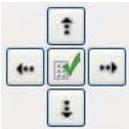
It is for OSD menu. You can select the any OSD menu using the arrow button. If the menu is open, you could not use Control function buttons.

ESC key to exit the OSD menu, Microscope mode, and Macro mode.

■ If you want to control any functions on the viewer, you would not select [OSD Menu] → [MISCELLANEOUS FUNCTION] → [PC CTRL] → [RS-232C ONLY]. Don't select THIS option.

Overview Mini control

In full screen mode, the mini control that is smaller than the normal control panel is to be displayed.

ESC	Return to the Normal Mode (Full Screen → Normal Mode)
	Hides the mini control, and switches to control panel.
Wide Tele	**Wide / Tele** : Reduces or enlarges the image size on the screen.
Qsav	Instantly capture and store the image.
BR- BR+	**BRIGHTNESS +/-** : Adjust the brightness of the image on the screen.
Frz.	**FREEZE** : Turns on/off aperture mode. (If you want to Freeze current image on the viewer you should select [OSD Menu] → [MISCELLANEOUS FUNCTION] → [FREEZE] → [ALL].)
Record video Stop	Capture AVI, AVI stop.
15FPS 00 : 00 : 00	Displays the current frame/sec and recording time.
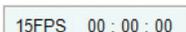
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USB Viewer Hot Key

[F1]   50% View Function

[F2]   100% View Function

[F3]   Fit to window Function

[F4]   Stretch to window Function

[F5]   Full Screen Function

[F6]   Quick save Function

[F7]   Still Image Function

[F8]   Capture AVI Function

[F9]   Stop AVI Function

[F10]   Control Panel ON/OFF Function

[F11]   Tool Bar ON/OFF Function

[F12]   Clip board Function

troubleshooting

TROUBLESHOOTING

Problem	Cause & Solution
Digital presenter program does not open	It indicates a USB connection problem between the digital presenter and a computer. • Please check if the USB cable is properly connected to both the presenter and the computer. • Close all application programs-USB-related or other programs that take up a lot of the system resources-to avoid slowing down the digital presenter program. • Turn off the digital presenter and turn it on after at least 10 seconds. Then attempt to open the program again.
Error Message: "A USB connection error has occurred; the program is now being terminated."	It indicates a USB connection problem between the digital presenter and a computer. • Please check if the digital presenter is turned off or the USB cable is unplugged. • A 4m or shorter USB cable is recommended to connect the digital presenter and a computer. • If the computer has too many programs running, it may experience a shortage of memory or system resources and cause the video communication error.
Error Message: "The program is already running."	This error message may appear if you try to reopen the program while it is running. • The program cannot be opened twice, the prompt error message will display if tried. • Please wait until the program opens at the first time. If it does not open or terminates itself abnormally, remove and reconnect the USB cable, or restart your computer operating system.
If a computer fails to detect the digital presenter	• If your computer fails to detect the digital presenter, please restart it and then try again.
Error Message: "You don't have the permission for recording AVI files on this folder."	• In the case of Windows Vista or 7, admin permissions may be different from your account. Please log in using a different account (administrator) or save files on another folder (Normally, we recommend the default folder.)
Error Message: "Your OS version is lower."	• In the case of Windows XP or Vista install the latest Service pack.

troubleshooting

Problem	Cause & Solution
Error Message: "Failed to save the image."	Saving an image may fail in the following cases: • You may have selected an improper drive, CD-ROM, or mobile hard disk that is limited in writing the saved image to the Quick Save or image folder. Please change the directory to the local computer hard drive, and try to save it again. • You may have selected a file format that the program does not support. • The program library for saving images may have been deleted or corrupted. Please uninstall and reinstall the digital presenter viewer program.
Error Message: "SDP-860 S/W doesn't run in USB1.1 connection."	• The SDP-860 Viewer Application does not support the USB1.1 mode due to limited bandwidth issues of this early standard. Connect to a known USB2.0 port when using the Viewer Application.

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SALES NETWORK