SHARP

Smart Choices for Digital Signage Solutions

Efficient Ways to Update and Target Your Message

100th ANNIVERSARY

In 2012, Sharp is celebrating the 100th anniversary of its founding.

Easy Editing, Scheduling, Distribution, and Display Management— SHARP Digital Signage Software Provides Total Support for Expanding the Potential Uses of Digital Signage

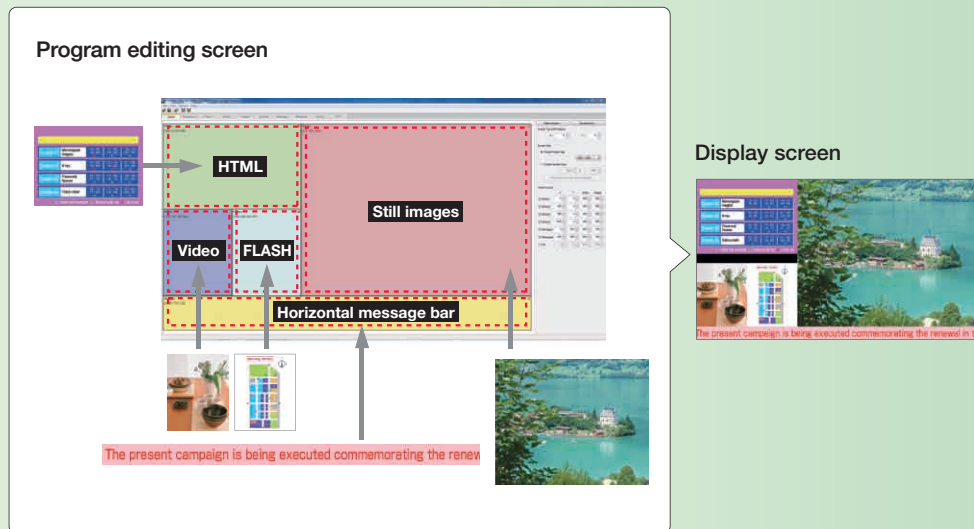## STEP 1: Easy Program Creation and Scheduling

Creating Programs

To facilitate program creation, users can determine screen layout and playback order for the content with straightforward mouse operation.

Free Layout Frame

Up to four frames of diverse content such as still images, video, and HTML can be positioned freely—along with two message bars—via drag-and-drop operation. Users can easily adjust the size and position of content, which can be laid out for both vertical and horizontal display.

Special Effects

17 types of effects—such as wiping, blow-up, slide-in, slide-out, and rotary wiping—can be used to liven up still-image programs.

Program editing screen

Display screen

Select the Optimal SDSS for Your Usage Environment—Various Solution Packages Are Available

	Product Name	Features	System Configuration (Examples)
In Standalone Systems	**PN-SS01** Standalone Version	Scheduled programs can be **delivered** and **displayed** at a designated time on a **single LCD monitor**.	• Standalone operation PC • USB flash drive operation USB flash drive*6 → PC*5
In Network Systems	**PN-SS02** Network Version	Enables programs to be distributed **via the network to one or multiple PCs** for display on **up to 100 LCD monitors** according to a set schedule.	PC — Network — PC*5 / PC*5 / PC*5 Controller PC (operation PC) — Target PC
	PN-SS05 Pro Version	Same functions as PN-SS02, plus support **for larger and more complex systems***4. Can distribute scheduled programs to **up to 1,000 LCD monitors**.	PC — Network — PC*5 / PC*5 / PC*5 Controller PC (operation PC) — Target PC
	PN-SW05 Pro Web Server Version*2 _Coming Soon_	Same functions as PN-SS05 and **operable via a web browser**. Programs, schedules, and other items can be centrally stored and managed on a web server database (i.e., a controller PC), **accessible by up to 50 remote PCs**.	PC / PC / PC — Network — PC — PC*5 / PC*5 / PC*5 Operation PC — Controller PC — Target PC

SHARP Digital Signage Software (SDSS) is versatile management software that provides total support for the creation, scheduling, distribution, and display of a wide range of content for Sharp LCD monitors installed in offices, commercial establishments, and public spaces. Whether distributing scheduled programs over a large network or via a USB flash drive, users can select the software version that matches their needs, their business environment, and their existing systems. SDSS allows users not only to create programs and display them according to a designated schedule, but also to monitor the system's operational status*1—all without any hassle.

Creating and Editing Schedules

Through drag-and-drop operation, users can easily specify the time and date at which programs are to be displayed.

Editing the Timetable
Users can specify the time of day at which each program is to be displayed.

Editing the Schedule
Users can specify the dates on which a timetable will be applied. Schedules can be easily created and managed on a monthly calendar-like table.

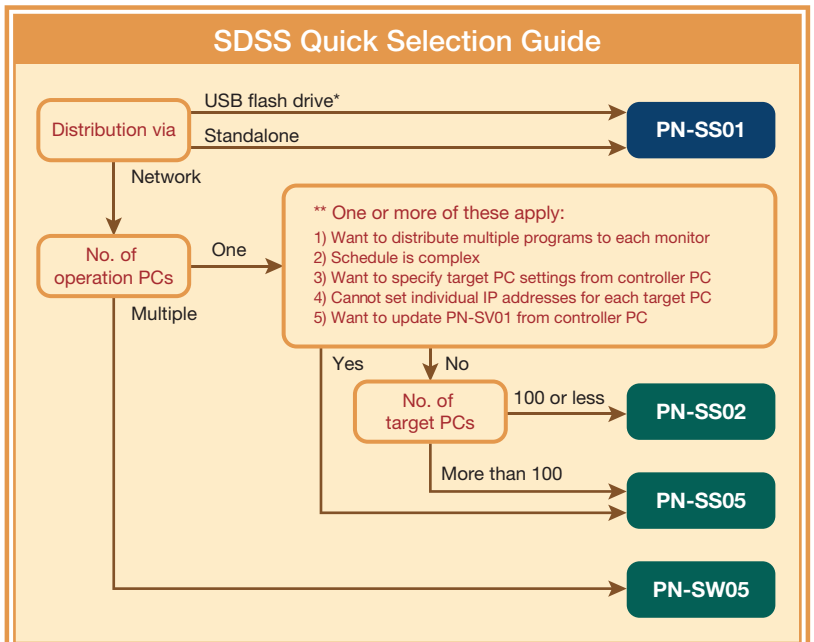**Advanced Functions on PN-SS05 and PN-SW05*2**

Multiple programs, timetables, and schedules can be managed through a user-friendly interface. Suitable for large-scale signage systems involving several hundred monitors.

STEP 2: Easy Delivery

Once STEP 1 is complete, the scheduled program can be sent to the target PC (where PN-SV01 is installed) for display.

Advanced Functions on PN-SS02, PN-SS05, and PN-SW05*2

In the event of an emergency, it is possible to distribute and display emergency news flashes and scrolling messages.*3

STEP 3: Easy Management*1

The operational status and the programs being displayed can be remotely monitored from a controller/operation PC(s), so that any problems that arise can be dealt with swiftly.

Advanced Functions on PN-SS05 and PN-SW05*2

Instant input selection and LCD monitor(s) power on/off are possible from a controller/operation PC(s). Retrieval of finished schedules is also possible.

to Match Differing Needs for Digital Signage

No. of Operation PCs	No. of Target PCs	Operation Screen
1	1	Launcher
1	Max. 100	Launcher
1	Max. 1,000	Pro Manager
1 to 50	Max. 1,000	Web browser

Product Name	Features
PN-SV01 Viewer Version	Dedicated software for displaying scheduled programs on Sharp LCD monitors. To be used with PN-SS01/SS02/SS05/SW05 software.

Notes:
Before creating a program, all content—including videos, photos, HTML data, title characters, and image data—should be prepared in advance.
*1: Available on PN-SS02/SS05/SW05. *2: PN-SW05 to be available at a later date. *3: Emergency scrolling message distribution available on PN-SS05/SW05. *4: Refer to ** of the SDSS Quick Selection Guide. *5: PN-SV01 Viewer Version must be installed.
*6: To contain scheduled programs.

SDSS Quick Selection Guide

Distribution via → USB flash drive* / Standalone → **PN-SS01**

Network → No. of operation PCs

One → ** One or more of these apply:
1) Want to distribute multiple programs to each monitor
2) Schedule is complex
3) Want to specify target PC settings from controller PC
4) Cannot set individual IP addresses for each target PC
5) Want to update PN-SV01 from controller PC

Yes / No

No → No. of target PCs → 100 or less → **PN-SS02**

More than 100 → **PN-SS05**

Multiple → **PN-SW05**

* USB flash drive distribution also possible on PN-SS02

Displayable Contents

Content	File Format	Required Software
Video	.avi .mpeg .mpg .wmv .asf	Microsoft® Windows Media® Player
	.mov	QuickTime Player
Flash	.swf	Adobe® Flash® Player
PowerPoint	.ppt .pps	Microsoft® PowerPoint® Viewer 2003/2007/2010
HTML	.htm .html	Microsoft® Internet Explorer®
Message bar	.tlp	–
Audio	.wav .mp3 .au .aif .aiff .wma .mid .midi	Microsoft® Windows Media® Player
	.mov	QuickTime Player
Still image	.jpeg .jpg .gif .png .bmp	–
Execution file	.exe	–

Feature Comparison

Coming Soon

		PN-SS01 (Standalone Version)	PN-SS02 (Network Version)	PN-SS05 (Pro Version)	PN-SW05 (Pro Web Server Version)	PN-SV01 (Viewer Version)
No. of operation PCs		1	1	1	1 to 50	—
Operation via web browser		×	×	×	○	—
Program creation and editing		○	○	○	○	—
Timetable/schedule creation and editing		○	○	○	○	—
Distribution	Via USB flash drive	○	○	×	×	—
	Via network	×	○	○	○	—
	No. of target PCs	1	Max. 100	Max. 1,000	Max. 1,000	—
	Emergency news flash*1	×	○	○	○	—
	Reserved distribution	×	○	○	○	—
	Schedule list view	×	×	○	○	—
	Emergency scroll message	×	×	○	○	—
	Status monitoring	×	○	○	○	—
	Updater distribution	×	×	○	○	—
	Differential program distribution*2	×	×	○	○	—
	Pull distribution*3	×	×	○	○	—
Monitor control		○	○	○	○	—
Operation screen		Launcher	Launcher	Pro Manager	Web browser	—
Program display		○	○	—	—	○

System Requirements

Coming Soon

			PN-SS01 (Standalone Version)	PN-SS02 (Network Version)	PN-SS05 (Pro Version)	PN-SW05 (Pro Web Server Version)		PN-SV01 (Viewer Version)
			Controller PC	Controller PC	Controller PC	Controller PC	Operation PC	Target PC
PC	CPU		Intel® Celeron® M 1.3GHz or higher (Pentium® 4 processor recommended)*10		Intel® Pentium® 4 processor 2GHz or higher	Intel® Core™ 2 Duo processor 2.26GHz or higher	Intel® Celeron® M 1.3GHz or higher (Pentium® 4 processor recommended)*10	Intel® Celeron® M 1.3GHz or higher (Pentium® 4 processor recommended)*10
	OS	Microsoft® Windows® XP	○	○	○	—	○	○
		Microsoft® Windows Vista®	○	○	○	—	○	○
		Microsoft® Windows® 7	○	○	○	○	○	○
		Microsoft® Windows Server® 2003	○	○	○	—	○	—
		Microsoft® Windows Server® 2008	○	○	○	○	○	—
	Memory		256MB or more (512MB or more recommended)*11		512MB or more*11	2GB or more	512MB or more*11	256MB or more (512MB or more recommended)*11
	Hard disk	Available free space*4	20MB or more		40MB or more	80MB or more	20MB or more	—
	Interface*5	USB port	○	○	—	—	—	○
		LAN port*6	—	○	○	○	○	○
Monitor	For controller PC*7	Resolution (min.)	1,024 x 768 dots		1,280 x 1,024 dots	1,280 x 1,024 dots	1,024 x 768 dots	—
		Colours	Full colour					—
Other software		Microsoft® Internet Explorer® 6.0 or later	○	○	○	—	IE7 or later	○
		Microsoft® PowerPoint® Viewer 2003/2007/2010	○	○	○	—	○	○
		Microsoft® Windows® Media Player 9 or later*8	○	○	○	—	○	○
		Adobe® Flash® Player	○	○	○	—	○	○
		QuickTime Player 7 or later*9	○	○	○	—	○	○

*1: Emergency news flash ("break-in program") *2: Distributes only new content to target PC (i.e., does not resend previously sent content). *3: The target PC(s) demands program schedules from the server. Since there is no need to provide a global IP address to each target PC, this system is suitable for large-scale distribution via the Internet. *4: Additional space required for saving data. *5: An RS-232C port or LAN port is required for controlling the LCD monitor from a viewer PC. *6: Requires TCP/IP protocol. *7: For creating and editing programs and schedules. *8: Some video files may require commercially available codec. *9: Required for playing back QuickTime files. *10: Certain effects that place a load on the CPU—such as transparent message bars or fade-ins—may not display properly. When displaying content that places a load on the CPU, Sharp recommends using an Intel® Pentium® 4 processor with a 2GHz or higher CPU. *11: The minimum space required for running the OS.

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