

## Smart Choices for Digital Signage Solutions Efficient Ways to Update and Target Your Message



# 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

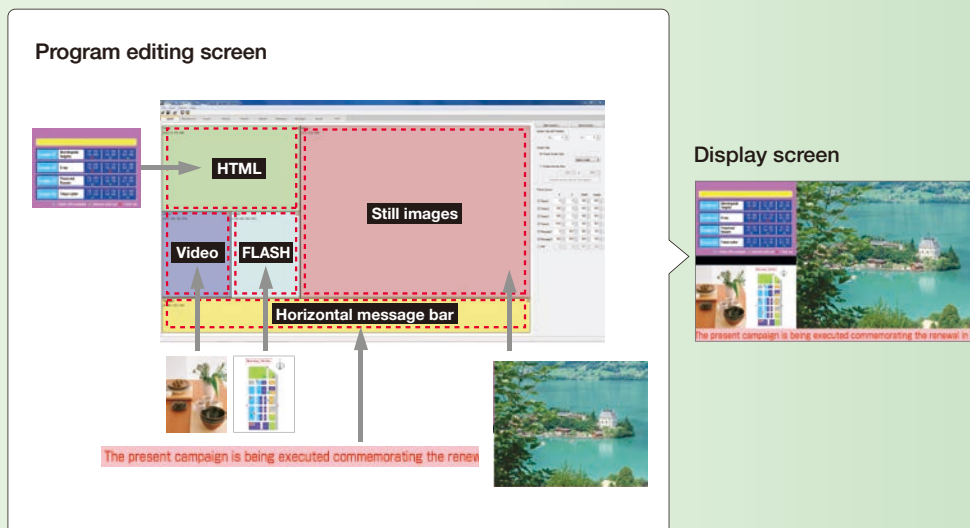
To facilitate program creation, users can determine screen layout and playback order for the content with straightforward mouse operation.

#### 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.



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

	Product Name	Features	System Configuration (Examples)
In Standalone Systems	<b>PN-SS01</b> Standalone Version	Scheduled programs can be <b>delivered</b> and <b>displayed</b> at a designated time on a <b>single LCD monitor</b> .	<ul style="list-style-type: none"> <li>Standalone operation  </li> <li>USB flash drive operation  </li> </ul>
In Network Systems	<b>PN-SS02</b> Network Version	Enables programs to be distributed <b>via the network to one or multiple PCs</b> for display on <b>up to 100 LCD monitors</b> according to a set schedule.	
	<b>PN-SS05</b> Pro Version	Same functions as PN-SS02, plus support for <b>larger and more complex systems</b> *3. Can distribute scheduled programs to <b>up to 1,000 LCD monitors</b> .	
	<b>PN-SW05</b> Pro Web Server Version	Same functions as PN-SS05 and <b>operable via a web browser</b> . Programs, schedules, and other items can be centrally stored and managed on a web server database (i.e., a controller PC), <b>accessible by up to 50 remote PCs</b> .	

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\*<sup>1</sup>—all without any hassle.

**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

In the event of an emergency, it is possible to distribute and display emergency news flashes and scrolling messages.\*<sup>2</sup>

**STEP 3: Easy Management\*<sup>1</sup>**

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

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.

**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

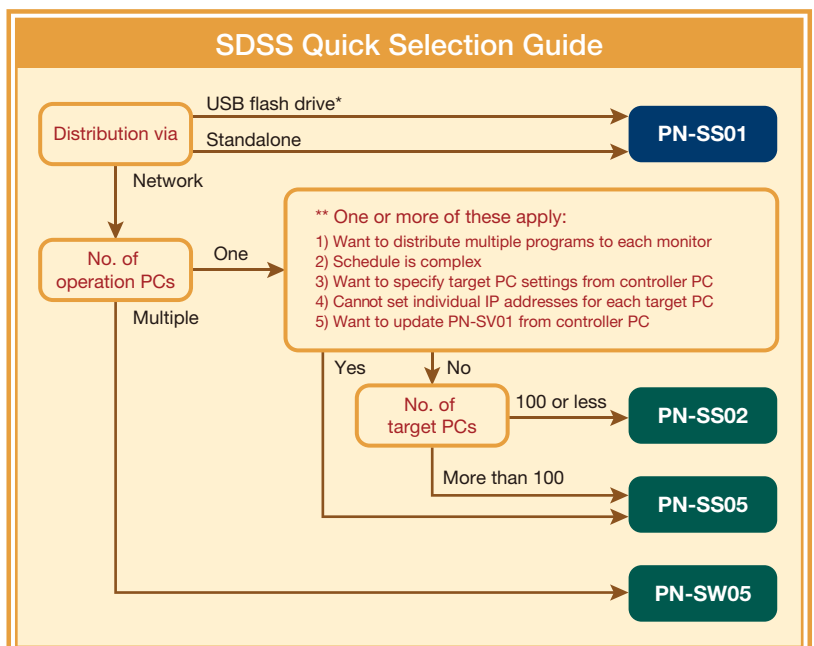
Multiple programs, timetables, and schedules can be managed through a user-friendly interface. Suitable for large-scale signage systems involving several hundred monitors.

**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
<b>PN-SV01 Viewer Version</b>	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: Emergency scrolling message distribution available on PN-SS05/SW05.  
 \*3: Refer to \*\* of the SDSS Quick Selection Guide. \*4: PN-SV01 Viewer Version must be installed. \*5: To contain scheduled programs.



\* USB flash drive distribution also possible on PN-SS02

## Displayable Contents

Content	File Format	Required Software
Video	.avi .mpeg .mpg .wmv .asf .mov .mp4	Microsoft® Windows Media® Player
Flash	.swf	Adobe® Flash® Player
HTML	.htm .html	Microsoft® Internet Explorer®
Message bar	.tlp	–
Audio	.wav .mp3 .au .aif .aiff .wma .mid .midi .mov .mp4	Microsoft® Windows Media® Player
	.mov	QuickTime Player
Still image	.jpeg .jpg .gif .png .bmp	–
Execution file	.exe	–

## Feature Comparison

	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

		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)*9		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)*9	Intel® Celeron® M 1.3GHz or higher (Pentium® 4 processor recommended)*9	
	OS	Microsoft® Windows® 7/8.1/10	○	○	○	○	○	
		Microsoft® Windows Server® 2008/2012/2016	○	○	○	○	○	
	Memory	256MB or more (512MB or more recommended)*10		512MB or more*10	2GB or more	512MB or more*10	256MB or more (512MB or more recommended)*10	
	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® 7 or later	○	○	○	–	○	○	
	Microsoft® Windows® Media Player 9 or later*8	○	○	○	–	○	○	
	Adobe® Flash® Player	○	○	○	–	○	○	

\*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: 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. \*10: The minimum space required for running the OS.

Design and specifications are subject to change without prior notice. The displays shown on the LCD monitors that appear in this brochure are simulated images.

Internet Explorer, Microsoft, Windows, and Windows Server are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Adobe and Flash are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries. Celeron, Intel, Intel Core, and Pentium are trademarks of Intel Corporation in the United States and/or other countries. All other brand names and product names may be trademarks or registered trademarks of their respective owners.

Distributed by:

# SHARP