SONY

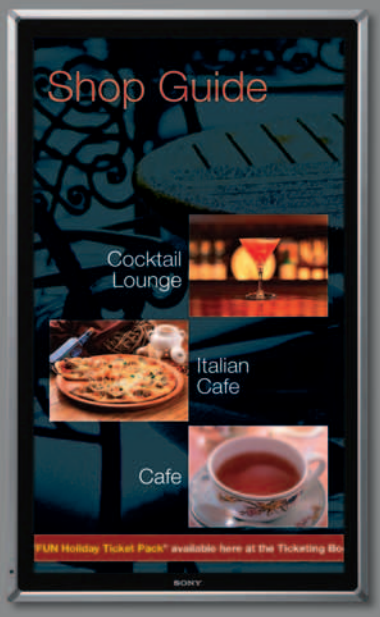
VSP-NS7

Digital Signage Player

Getting Started in Digital Signage Just Got Easier - Thanks to the VSP-NS7 Digital Signage Player

In recent years, the growing popularity of digital signage has led to an even stronger demand for attractive multimedia content to be created easily and distributed quickly.
To fulfill this demand, Sony introduces a new digital signage system that combines the VSP-NS7 Digital Signage Player and a public display.
This system delivers high-quality, custom-tailored handling of many layers of rich content - including video, graphics, and text - directly to your customers. From Adobe® Flash™ content to web pages, from HD video to still pictures, and from stored video programs to live streaming video, it's all available and easy to present with the VSP-NS7.
To create a full HD digital signage system, the VSP-NS7 can be used in combination with Sony's new line-up of full-HD public displays such as the GXD-L52H1 52"* LCD display.
Furthermore, the optional management software applications, which are equipped with a simple GUI, make the initial setup and daily operations of the VSP-NS7 extremely easy - allowing users to create and deliver attractive multimedia content in a timely manner.
This digital signage system from Sony can certainly be a powerful tool for communicating more effectively with invaluable customers.

* Viewable area, measured diagonally.



Simulated images

DIGITAL SIGNAGE PLAYER MANAGEMENT SOFTWARE

The optional user-friendly VSPA-D7 Digital Signage Player Management Software makes managing the VSP-NS7 extremely easy. From content management to authoring, and scheduling to distribution, the operation of this software application was created with the most effective workflow in mind.

Easy Initial Settings

By inputting just a basic level of information to the settings menu of the VSP-NS7, such as the digital signage player's name and IP address, the VSP-NS7 is ready to be used in the digital signage network system. Most of the settings necessary for the establishment of a typical VSP-NS7 system are already set, reducing the amount of initial work operators need to perform. The default setting parameters include output resolution of WXGA, which is supported by most of Sony public displays. Full HD (1920 x 1080) resolution can also be selected via the menu.

Interrupt Playback

The interrupt playback function of the VSP-NS7 gives operators the flexibility to manually insert different content into the playback of a playlist. For example, operators can replace the text displayed on the screen with either pre-prepared text or newly inputted text, or they can interrupt the playback of a playlist and display streaming video supplied from a network camera on the full screen instead. When the interrupt playback has finished, the playlist will automatically restart according to the original schedule.

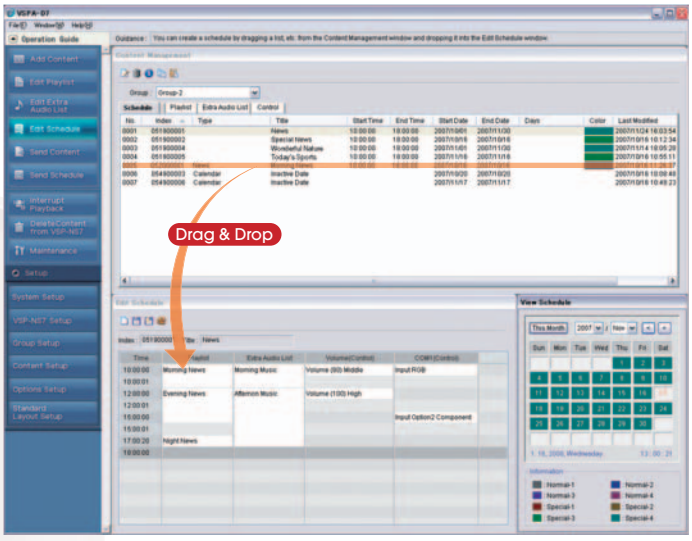
Easy Operation via a Simple GUI

The main GUI of the VSPA-D7 application displays launcher buttons that indicate each workflow process necessary for digital signage productions. This makes it easy for operators to learn the necessary operations of each workflow process. With the touch of a launcher button, only the necessary tools and windows specific to the chosen operation are displayed, thereby providing operators with a very simple GUI.

This intuitive GUI also makes it very easy to create a playlist. The layout window is always displayed within the GUI, whether landscape or portrait mode is selected, and updated in real time, according to the editing work. If the layout window does not look exactly as desired, the layout can be simply edited directly from the layout window, or the parameters can be changed in the playlist layout settings menu.

It is also very easy to make a schedule of playlists, simply by arranging them like a timetable in the edit schedule window.

Edit Playlist Window



Edit Schedule Window

Easy Monitoring

The optional VSPA-M7 Digital Signage Player Monitoring Software is a very convenient tool for monitoring the whole system. It allows operators to easily monitor the status of not only the VSP-NS7, but also public displays such as Sony's GXD-L52H1, FWD-50PX3, FWD-40LX2, and FWD-32LX2 models, when connected to it via an RS-232C. Thanks to this powerful monitoring feature, operators can easily verify the power ON/OFF status of a display, and whether the input signals from the VSP-NS7 to the display are properly applied. Operational information such as this can easily be collected as log data.

Optional Software

VSPA-D7 Digital Signage Player Management Software

- Management and control of up to 50 VSP-NS7 Digital Signage Player units

VSPA-D7L50* Additional License for the VSPA-D7

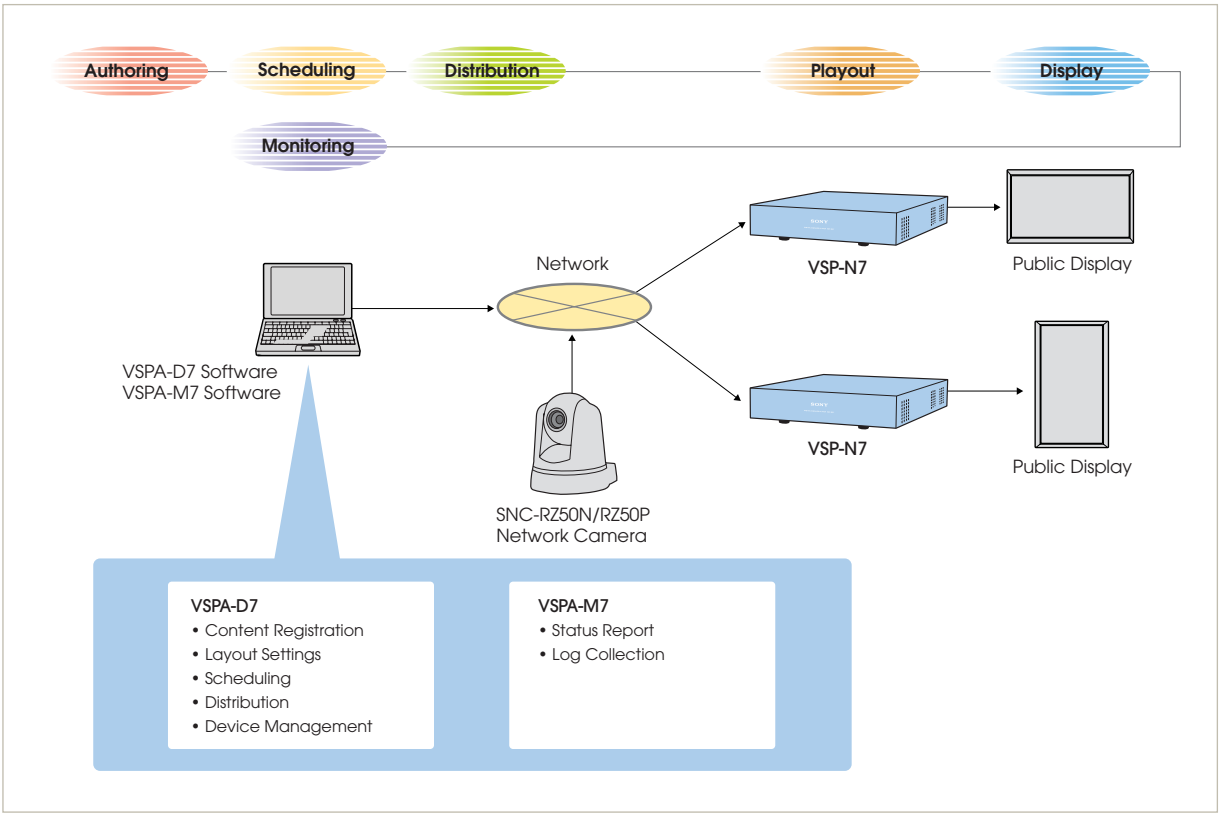
- Expansion license to handle additional 50 VSP-NS7 Digital Signage Player units
- Up to three VSPA-D7L50 licenses can be integrated into one PC, comprising a maximum of 200 units

* In order to use the VSPA-D7L50, the VSPA-D7 must be installed in the PC.

VSPA-M7 Digital Signage Player Monitoring Software

- Remote monitoring of VSP-NS7 Digital Signage Players

SYSTEM CONFIGURATION EXAMPLE



Selectable Output Resolution and Aspect Ratio - Support up to 1920 x 1080 Full HD*

The VSP-NS7 allows operators to select the image resolution and aspect ratios that best meet their operational needs. WXGA (1360 x 768), which is supported by most of Sony public displays, is included in selectable resolution modes. And full HD (1920 x 1080) is also selectable, which is accepted by Sony's new line-up of full HD public displays including the GXD-L52H1. Furthermore, SXGA (1280 x 1024) and XGA (1024 x 768) are also available.

* The VSP-NS7 can display graphics up to a 1920 x 1080 resolution and video up to a 1280 x 720 resolution.

Versatile Content Presentation

The VSP-NS7 is capable of producing up to five image layers for display, including graphics, video, and text. What's more, the VSP-NS7 has the flexibility to present video stored on its HDD or accept live streaming video over a network from a Sony SNC-RZ50N/RZ50P network camera, which can then be played out along with the other layers. Also, in addition to the audio accompanying the video, an extra audio channel is available. This can be used to play out background music or a narration independent of the playlist.

Excellent Video Quality

The VSP-NS7 can present crisp, clear, and vivid images in both HD and SD formats. It supports Microsoft® Windows® Media video in the 720P HD and SD formats and MPEG-2 video in the SD format. It also supports MPEG-4 streaming video in the SD format applied from an SNC-RZ50N/RZ50P network camera.

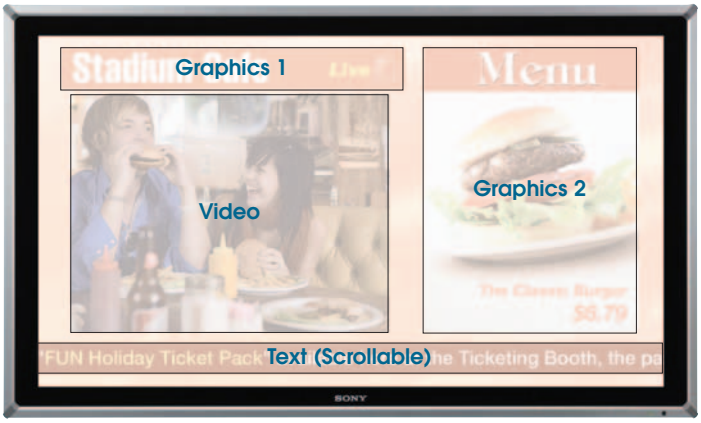
High-quality Graphics and Text

The VSP-NS7 supports a variety of graphics including full-color bitmap, JPEG, Adobe Flash, and web (IE6)*. The desired web page can be displayed as a graphics layer simply by designating its URL, and this can be automatically reloaded at a preset interval. Two graphics layers, such as a web page and a Flash file, can be displayed simultaneously on the same screen. In addition, text can be set in any color and at any location on the screen, and can be either scrolling, flashing, or still.

* To use a web page as a graphic layer, the VSP-NS7 must be connected to the Internet.

Live Streaming Video via a Network Camera

The VSP-NS7 can accept live streaming video and audio from an SNC-RZ50N/RZ50P network camera, which can be played out along with other content layers for more versatile digital signage productions. For example, an information display at a football stadium can stream live footage from restaurants and souvenir shops, while also displaying information about the football match, such as ticket packs, text commentary, and graphical updates - all on the same screen.



Simulated images

Seamless Playback

Thanks to its pre-load processing system, the VSP-NS7 offers a seamless playback feature. This processing system allows content to be pre-processed in the buffer ready for playback, while the former content is being played back. As a result, even content with large data such as video, Flash content, and web pages can be played back seamlessly, without delays.

Portrait and Landscape Modes

Portrait mode and landscape modes are available to meet customers' application needs. In portrait mode*, the displayed images can be rotated 90° counterclockwise.

* When the VSP-NS7 is set to portrait mode with a display resolution of 1920 x 1080, it cannot support Microsoft Windows Media video in the 720P HD format.

Device Control

The VSP-NS7 has an auto-power-control function. Thanks to a built-in timer, the VSP-NS7 can automatically turn itself on or off, according to the time schedule of a playlist.
In addition, operators can control public displays such as Sony's GXD-L52H1, FWD-50PX3, FWD-40LX2, and FWD-32LX2 models when connected to the VSP-NS7 via an RS-232C interface. The display settings available via this interface include power ON/OFF, input selection, picture mode selection, and audio level.

SPECIFICATIONS

VSP-NS7		
General		
Dimensions (w x h x d)		11 1/8 x 2 1/4 x 11 3/4 inches (282 x 56 x 298 mm) (excluding protrusion parts)
Weight		Approx. 8.8 lb (4.0 kg)
Power	Power Consumption	Approx. 45 W (max. 105 W)
	Power Supply	AC 100 to 240 V, 50/60 Hz
Operating Temperature		+42 to +104 °F (+5 to +40 °C)
Storage Temperature		-4 to +131 °F (-20 to +55 °C)
Hard Disk Drive		120 GB
Media Format*		
MPEG-2	Video	MPEG-2 MP@ML — 4.2 to 9.8 Mb/s (.mpg or .m2p)
	Audio	MPEG-1 Audio Layer II
Windows Media Video		Windows Media Video 9, max. resolution: 1280 x 720
Live Video		MPEG-4 video from the SNC-RZ50N/RZ50P, max. resolution: 640 x 480
Graphics		Bitmap, JPEG, Flash7 (.swf), web (IE6)** Max. resolution: 1920 x 1080
Text		Bitmap, text
Audio		Windows Media Audio, WAVE, MP3
Output (Screen Image)		
Analog RGB		1920 x 1080, 1360 x 768, 1280 x 1024, 1024 x 768
Screen Rotation		Landscape, portrait (counterclockwise)
Interface		
Video Out		Analog RGB, D-sub 15 pin (female, x1)
Audio Out		Stereo mini jack (x1)
Audio In		Stereo mini jack (x1) (for future extensions, not available)
Mic In		Stereo mini jack (x1) (for future extensions, not available)
RS-232C		RS-232C, D-sub 9 pin (male, x2) (One port is available, but the other is not available since it is for future extensions)
USB		USB 2.0/1.1 (x4) (for future extensions, not available)
Network		100BASE-TX/1000Base-T Ethernet, RJ-45 modular jack (x1)
Mouse		6-pin mini DIN (for maintenance)
Keyboard		6-pin mini DIN (for maintenance)
Operating System and Network		
Operating System		Windows XP embedded OS
Supporting Protocols		TCP/IP, HTTP
Supplied Accessories		
		AC cable (x1), Bracket for attachment to the rear panel of the GXD-L52H1 (x2), Screws (x15) Rubber feet (x4), Cable clamp (x1), Operating instructions (x1)

* Some files may not be played back.

** To use a web page as a graphic layer, the VSP-NS7 must be connected to the Internet.

PC System Requirements

Operating System	Microsoft Windows XP Professional Service Pack 2, 32-bit edition
Processor	1.0 GHz or higher (2.0 GHz recommended)
Memory	512 MB RAM or more
Display Card	Microsoft DirectX® 9.0C compatible card, 1,280 x 1,024 resolution and 32-bit color mode recommended
Sound Card	Microsoft DirectX 9.0C compatible card
Network Interface	100BASE-TX/1000BASE-T
HDD	100 MB available space for installation

Rear Panel

SONY

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sony.com/digitalsignage

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