

SONY®

NTSC/PAL

Network Player **NSP-100**

Content-On-Demand - The Wave Of The Future



Hawaii not only has beautiful beaches and wonderful weather, it is the place to go for



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Features and Benefits

MPEG-2 Video, Graphics, and Scrollable Text

The NSP-100 offers excellent picture quality, similar to that available on DVD, with high-quality MPEG-2 encoded video at a bit rate of up to 9 Mb/s. Not only does the NSP-100 play high-quality video, it is also capable of displaying full-color bitmap images and scrollable text allowing for incredible multimedia presentations.

Simple Encoding and Uploading Of Material

The versatile Sony BZNP-100*1 Network Player Management Software is available for content management and the encoding and uploading of material into NSP-100 units. This software converts DV AVI files into MPEG-2 format, and it can also be used to upload material to remote Network Player units using FTP.

Large Storage Capacity

The NSP-100 is equipped with a 40GB (hard disk drive) HDD and is capable of storing up to 18 hours of video compressed at a bit rate of 4 Mb/s or 8 hours of video compressed at 9 Mb/s. The high-capacity HDD allows users to store a large number of clips and programs for uses ranging from advertisements to training videos.

Industry-standard Interfaces

The NSP-100 has a variety of interfaces allowing the unit to communicate with a wide range of equipment. For displaying video, the NSP-100 is equipped with component, RGB, S-Video, and composite outputs. An Ethernet 100Base-T port is also available to communicate and receive content over TCP/IP networks. Finally, an RS-232C/GPI for control and two phono connectors for audio outputs are provided.

Versatile Distribution Management Software

As well as managing and encoding material, the BZNP-100 Network Player Management Software is capable of distributing material over TCP/IP networks. When multiple NSP-100 Network Players are networked, usually over a LAN/WAN or an IP-based Virtual Private Network (IP-VAN), the user friendly BZNP-100 software can distribute material and playlists with drag-and-drop functionality. In addition, this software keeps a log of information being accessed at local sites, and this information is available at the content distribution center. This information can be used to analyze the viewing patterns at local sites.

Compact Portable Design

Packaged as a palm-sized lightweight unit, the NSP-100 is a powerful yet inconspicuous network appliance. It measures 7-1/8 x 1-3/4 x 5-1/8 inches and weighs approximately 2.2 lbs. When used as a set-top box or a network appliance, the unit can be concealed to blend in with any environment in which it is placed.

User Friendly Operation With the Supplied IR Remote Control

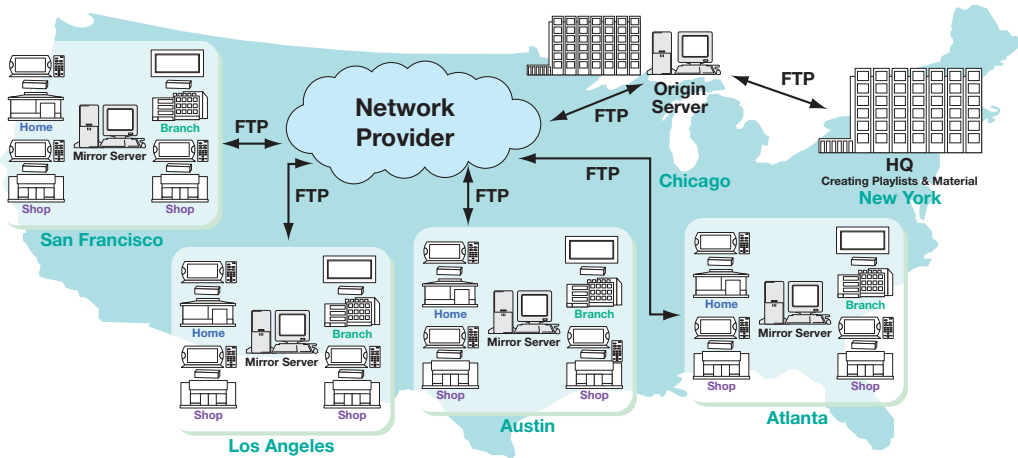
The NSP-100 is supplied with an IR remote control which can be used for system setup and control. The set-up menu is accessed with this remote, allowing the IP address to be set and language selected. The remote is also used to select files, and control the video.



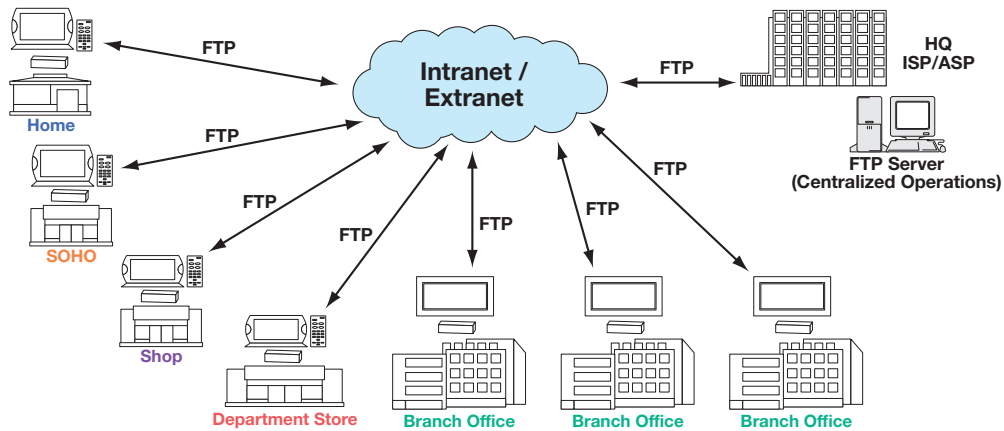
*1 Requires a PC running Windows® XP Professional or Windows 2000 operating system.
Minimum Hardware Requirements: CPU/Pentium®/Celeron® 1.4 GHz, RAM/256 MB, HDD/20 MB, Display/1280 x 1024 true color, Network/100Base-T

Applications

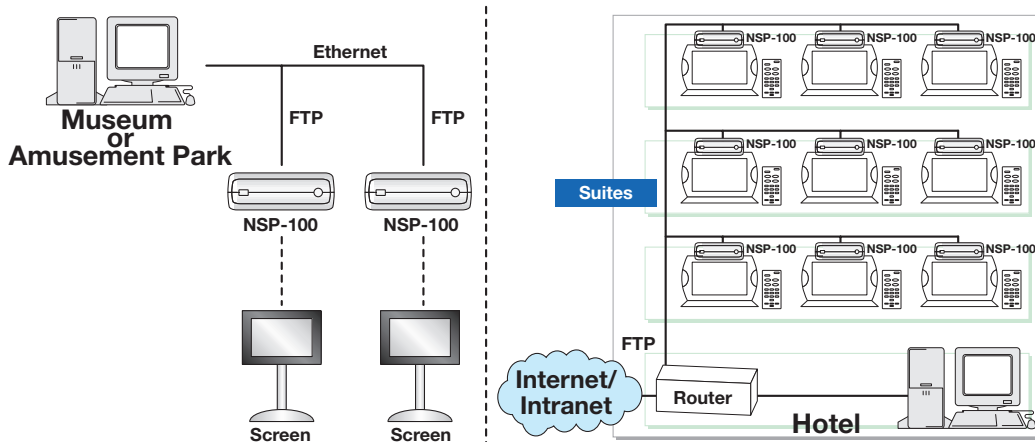
Large-scale Application - Distribution Using Mirror Servers



Mid-scale Application - Corporate Networks



Small-scale Application - Localized Operations



GUI and On-Screen Menu

Optional BZNP-100 Network Player Management Software

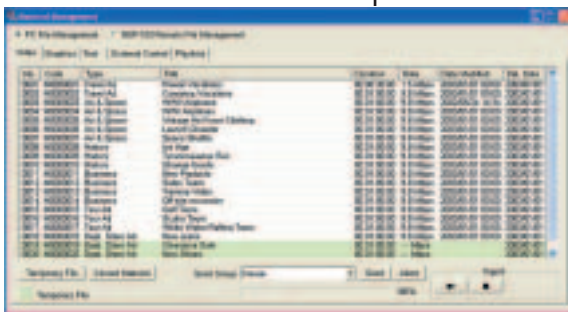
GUI (Graphical User Interface)

The BZNP-100 Network Player Management Software is used for managing and encoding material, and for distributing material and playlists to NSP-100 units over TCP/IP networks. The main menu shown to the right is the starting point for creating and managing material for the content delivery system.

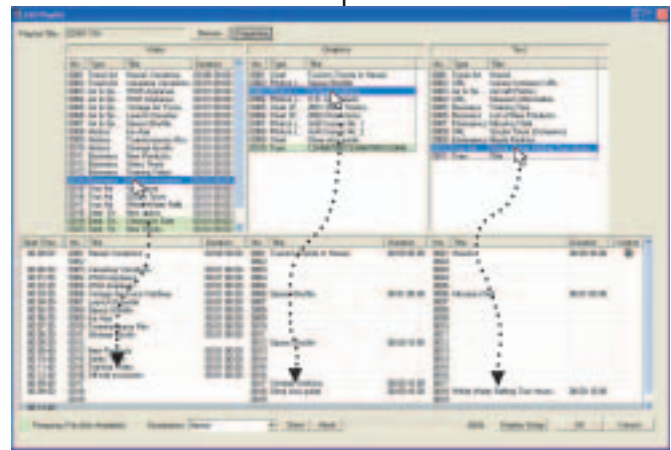


Work Flow

- Create Material
- Edit Playlist
- Send Playlist to Groups
- Check Send Status
- Get Playout Log

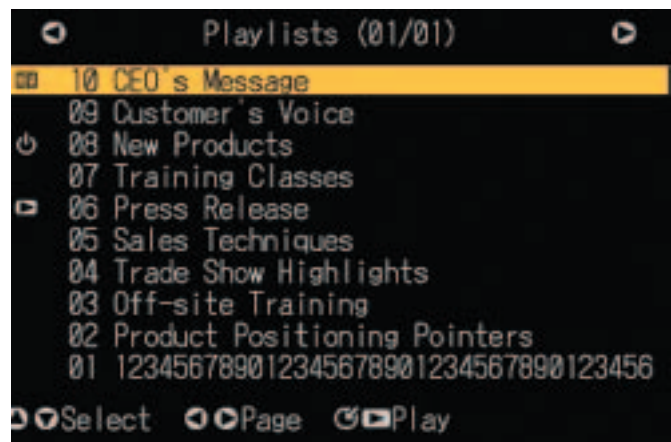
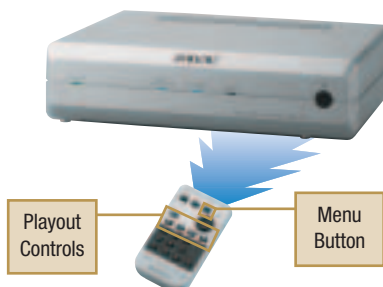


The "Material Management" screen is used to encode and edit material (i.e. video, graphics, and text). Once encoded, the material appears in their respective bins on the "Edit Program" screen. To create a program, just drag-and-drop the desired material from the bins as shown on the right. The intuitive BZNP-100 GUI allows for quick and easy program creation and distribution.



NSP-100 On-Screen Menu

(For localized control)



The NSP-100 can be effortlessly controlled using the supplied IR remote control. Just press the menu button and the main menu appears on the display screen. Playlists created with the BZNP-100 can be automatically played out, or material on the NSP-100's HDD can be selected and played as easily as you would control a VCR.

Introduction

We can no longer rely on traditional media to deliver content with the flexibility that the market now demands. Today's need is to be afforded the flexibility to deliver high-quality, custom-tailored content at exactly the right time and to exactly the right place.

Explore the leading edge of digital video technology. Imagine having the ability to deliver custom-tailored rich content to pre-designated locations worldwide. Then imagine your audience being able to choose the content they want to view. Now imagine all this can be done at an affordable price over ordinary TCP/IP networks.

Stop imagining. The NSP-100, coupled with almost any kind of display, is capable of delivering high-quality MPEG-2 video, graphics, and scrollable text in an easily viewed layout, and at the right time. This type of content display is ideal for advertising and multimedia entertainment. The NSP-100 is a perfect tool for applications ranging from point-of-sale, point-of-information (including video-on-demand), corporate training/communications, interactive kiosks, and entertainment. This is because the Sony NSP-100 Network Player is a network appliance and not an ordinary computer, and has been designed specifically to handle this custom-tailored rich content. It's a network-ready, affordable product that offers powerful features and high reliability in a small and lightweight package. Its function is to provide you with an ideal content delivery solution as a part of your ubiquitous network.



NSP-100 Front Panel (actual size)



Specifications

General

Dimensions (w x h x d)	7 1/8 x 1 3/4 x 5 1/8 inches (180 x 44 x 130 mm)
Weight	Approx. 2 lb 3 oz (1.0 kg)
Power	Power consumption; Approx. 18 W Power supply; DC 12 V provided from an AC adapter
Hard Disk Drive	40 GB
Supplied accessories	IR remote controller (RM-NSP1) AC adapter & AC cable Operation manual (printed copy and CD-ROM) BZNP-100 LE (light edition of software CD-ROM)*

*limited FTP capability and no scheduling capability

Video & Audio

Video rate	4.0 Mb/s ~ 9.0 Mb/s
Audio rate	256 kb/s
Audio channel	MPEG-1 Audio Layer II, 2 channels (fixed)
Audio sampling rate	48 kHz
Video scaling size and position	Any size, any position

Image

Size	NTSC 720 x 480, PAL 720 x 576
Colors	Up to 24-bit RGB, full color

Scrolling Text (Letter)

Font size (fixed)	16 x 32 pixels (w x h)
Number of colors	Any two colors (one color for characters and one color for background)

Interface

Video outputs	Component (BNC x3); Y, Pb, Pr switchable to RGB (sync on green) (BNC x3) S-Video (Y/C) Composite (BNC x1)
Audio out	Phono x2, consumer standard, analog unbalanced
Network	10/100Base-T Ethernet, RJ-45 modular jack
RS-232C or GPI (switchable)	D-Sub 9-pin (Male) x1

Network

Supporting protocols	TCP/IP, FTP, Telnet, and SNMP
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Optional Software

BZNP-100	Network Player Management Software
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**NSP-100 Rear Panel
(actual size)**

SONY

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