SONY

NSR-1100

High capacity hard disk Network Surveillance Server

The NSR-1100 is a high capacity hard disk recorder that has a capacity of 1000 GB. This network surveillance server is an ideal solution for multi-camera monitoring, recording, and playback.

Features

Easy to migrate from analogue to IP camera systems

Up to 16 analog cameras can be connected to the NSR-1100, using the NSBK-A16 Analog Encoder Kit. You can simply add network cameras, including megapixel cameras, while maintaining your analog cameras.

Easy to migrate to large-screen HDTV display systems

The NSR-1100 has two analogue RGB and two HDMI monitor output connectors on the rear panel. You can use two out of the four outputs simultaneously in any combination to meet your system requirements.

Easy to migrate into HD camera systems

To answer to the growing demands for HD (High Definition) network cameras, the NSR-1100 will offer this capability in the near future.

Free to select from a wide range of cameras

The NSR-1100 can be used not only with Sony network cameras but also with other major brand network cameras.

High frame rate display

The frame rate of the video readout of the NSR-1100 is much higher than that of conventional models.

DEPA

Both the NSR & IMZ Series incorporate DEPA - Sony's Distributed Enhanced Processing Architecture. Used in conjunction with DEPA-enabled network cameras from Sony (SNC-RX Series, SNC-RZ50, SNC-CS50, and later models), DEPA helps identify critical events more easily, and provides a streamlined workflow for your video security operations.

Remote viewing by controller software

If you install the bundled Controller Software to a personal computer in a remote location, you can supervise the NSR-1100 recording servers simultaneously in various locations, with flexibility in selecting and viewing live and recorded images.

Benefits

Quick setup

With the set-up wizard, you can set up the system in a simple manner. With Sony's IP cameras, the NSR-1100 detects the cameras instantly, which drastically reduces the time required for the system installation. Images from cameras are assigned to Monitor Layout automatically so that you can start monitoring instantly.

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Intuitive graphical user interface

You can search, preview, and play back the recorded video with an intuitive user interface.

UPS

The NSR-1100 can be used with Uninterruptible Power Supply (UPS) equipment via the RS-232C port, protecting in the event of accidental power failure.

HDMI outputs for "Full HD" displays

You can view and monitor video via the HDMI interface with Full HD (1920 x 1080) displays. If you use megapixel cameras, you can view the full resolution image with such equipment. What's more, you can set a 6-screen display layout and still view VGA video in full resolution.

MPEG4/JPEG dual stream

Connected with the SNC-RX Series, SNC-DS10, SNC-DM110, and later models from Sony, the NSR-1100 can accept both JPEG and MPEG4 from the cameras at the same time. With a limited storage capacity, for example, you can monitor live video via JPEG at frame rates as high as 30 fps, and record video via MPEG4 at frame rates as low as 5 fps.

IMZ-NS100 Series

In the same series of software solution, Sony also provides the IMZ-NS101/ NS104/ NS109/NS116/ NS132 Intelligent Monitoring Software. This can be installed on your own Microsoft (R) Windows (R) server to monitor and control 1/4/9/16/32 network cameras, respectively. It features the same functionality and graphical user interface as the NSR-1000 Series. The supplied Controller Software can be used for the multiple NSR-1000 Series and IMZ-NS100 Series.

Flexible user management

All access is managed by user authorization, which is set by the system administrator. The administrator can simply provide a user with the prepared five levels of operational permission, or the administrator can give a user different permission levels for different accessible cameras/servers.

Technical Specifications

--Video/Recording--

Number of Cameras Supported (IP/Analog Total)	Max.32
Analogue Camera Input	Option (NSBK-A16)
Video Compression (IP-Camera)	MPEG-4 or JPEG
Video Compression (Analogue-Camera)	MPEG-4
Maximum Recording Rate	240 fps
Hard Disk Drives (Physical Capacity)	1000 GB (500 GB x2)
Hard Disk Drives (Recording Capacity)	886 GB
Expansion Storage	Supports NSRE-S200 (2000 GB) (Max. 7 Units)

--Video Interface--

Monitor Out #1 (HDMI or Analogue)	HDMI Output: HDMI (A-type) x1 Analogue RGB Output: D-sub 15pin x1 (Front) or D-sub 15pin x1 (Rear)
Monitor Out #2 (HDMI or Analogue)	HDMI Output: HDMI (A-type) x1 Analogue RGB Output: D-sub 15pin x1

--Audio Interface--

Line Out	RCA-pin, L/R x1 stereo pair

--Sensor/Alarm--

Sensor In	8-channel photo-coupler (DC3.3-24 V)
Alarm Out	8-channel relay (Max. 24 V 1 A)

--Other Interfaces--

Ethernet	1000Base-T/100Base-TX/10Base-T x 4 (Auto switching)
USB 2.0	x3 (Front), x3 (Rear)

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Serial Interface (for UPS)	RS-232C x1
Serial Interface (for Analogue Camera Control)	RS-232C x1, RS-422/485 x1 (Either one to be selected)
SAS 1.1 (Serial Attached SCSI)	SFF-8088 type x1

--General--

Dimensions (W x H x D)	430 mm x 87 mm x 417 mm (17 x 3 1/2 x 16 1/2 inches) (Excluding projections)
Mass	Approx. 12 kg (26 lb 7 oz)
Power Requirements	100 V to 127 V/200 V to 240 V AC (50/60 Hz)
Power Consumption	185 W (typical)
Operating Temperature	5 to 40 °C (41 to 104 °F)
Operating Humidity	10 to 80% (Max. wet-bulb temperature 30 °C, non-condensing)