NSR-S20
Network Surveillance Recorder

The NSR-S20 is a network surveillance recorder for a single-server and multi-client system. The recorder supports up to eight of Sony's SD and 1080p/720p HD network cameras, and its superb image quality gives users great reassurance when scrutinizing captured images. The NSR-S20 starts recording with the initial camera settings and displays images in up to four split-screens as soon as the recorder detects its connected cameras. So there is no need for a complicated preparation process, such as setting up an IP address and camera parameters. The NSR-S20 is an ideal choice for simple surveillance applications.

FEATURES

■ **Eight-channel Network Surveillance Recorder**
The NSR-S20 connects to a maximum of eight SD and 1080p/720p HD network cameras.

■ **1080p/720p HD Recording with High Stability**
The NSR-S20 records 1080p/720p HD videos and reproduces extremely clear and detailed images to provide crucial visual information when needed.

■ **Selectable Storage Capacity**
The NSR-S20 has two choices. The one has a storage capacity of 2 TB, and the other is without an internal hard disk drive.

■ **Wide Ranges of Camera/Encoder Choices**
The NSR-S20 can be used with a variety of Sony's network cameras and encoders.

■ **Plug & Play**
As soon as it detects cameras in a local area network (LAN), the NSR-S20 starts recording.

■ **Web Client**
Using dedicated web client software, it's easy to build single-server and multi-client systems.

■ **Three Codecs (H.264, MPEG-4, JPEG)**
The NSR-S20 records video using three codecs: H.264, MPEG-4, and JPEG.

■ **IR Remote Controller**
An IR remote controller is supplied with each recorder.

■ **Multiple Language Support**
The recorder supports a variety of languages such as English, French, Simplified Chinese, and more.

■ **Compact Design (245 x 53 x 160 mm)**
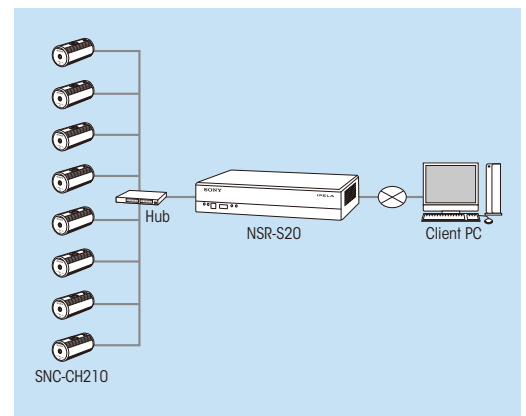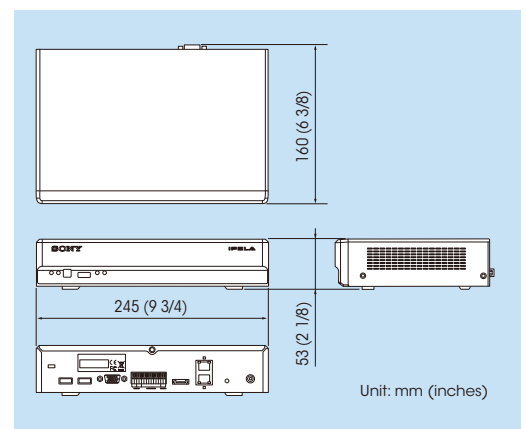The compact design of the recorder enables installation even in space-restricted areas.

SPECIFICATIONS

	NSR-S20:00 (without HDD)	NSR-S20:02 (2TB)
Video/Recording		
Number of cameras supported	8	
Video compression (IP camera)	H.264 or MPEG-4 or JPEG	
Total Recording frame rate (at H.264, Full-HD, 4Mbps)	120fps	
Total Recording frame rate (at H.264, VGA, 4Mbps)	240fps	
Recording frame rate / camera	1920 x 1080: Max. 15fps/camera 1280 x 720: Max. 15fps/camera 640 x 480: Max. 30fps/camera	
Hard disk drives (Physical capacity)	–	2TB
Hard disk drives (interface)	Serial ATA	
Hard disk drives (Recording capacity)	–	Approx. 1.7TB
Expansion storage	e-SATA storage (max. 4TB)	
Video Output		
Monitor OUT	Analog RGB (D-sub 15-pin) x 1	
Monitor OUT Display resolution	1,024 x 768	
Display frame rate (LIVE)	640 x 480/368: max. 30fps/camera	
Display frame rate (PLAYBACK at single screen)	1,920 x 1,080: max. 15fps 1,280 x 720: max. 15fps 640 x 480: max. 30fps	
Display frame rate (PLAYBACK at 2x2 screen)	1,920 x 1,080: 1fps/camera 1,280 x 720: 1fps/camera 640 x 480: more than 1fps/camera	
Audio Output		
Audio OUT	Terminal connecter x 1	
Sensor Input/Alarm Output		
Sensor IN	Terminal connecter x 4 (Compatible with 5V to 6V DC devices, photo coupler input, insulated from main unit)	
Alarm OUT	Terminal connecter x 1 (max. 30V DC, 125V AC, 1A, mechanical relay output, insulated from main unit)	
Other Interfaces		
Ethernet	1000Base-T/100Base-TX/10Base-T x 2	
USB	USB 2.0 x 1 (Front) / USB 2.0 x 2 (Rear)	
General		
Dimensions (W x H x D)	245 x 53 x 160 (9 3/4 x 2 1/8 x 6 3/8 inch) * excluding protrusions	
Mass	Approx. 0.8 Kg (1 lb 12oz)	Approx. 1.4 Kg (3 lb 1oz)
Power requirements	DC 12V (AC adapter: 100V to 240V AC, 50/60Hz)	
Power consumption	Approx. 36W	
Operating temperature	5 to 40 degrees C (41 to 104 degrees F)	
Operating humidity	20% to 80% (max. wet-bulb temperature: 30 degrees C/86 degrees F, no condensation)	
Supplied accessories	AC Adapter x 1, IR remote controller x 1, Installation manual x 1, Warranty booklet x 1, CD-ROM (First Step Guide, User's Guide) x 1, Cable clamp x 1, SATA cable x 1, SATA power cable x 1, Screw x 4	AC Adapter x 1, IR remote controller x 1, Installation manual x 1, Warranty booklet x 1, CD-ROM (First Step Guide, User's Guide) x 1, Cable clamp x 1

SYSTEM CONFIGURATIONS

SNC-CH210 — Hub — NSR-S20 — Client PC

DIMENSIONS

160 (6 3/8)

245 (9 3/4)

53 (2 1/8)

Unit: mm (inches)

The NSR-S20 can be used with the following products.

SNC-CH140/SNC-DH140/SNC-DH140T/SNC-CH180/SNC-DH180/SNC-CH240/SNC-DH240/SNC-DH240T/SNC-CH280/SNC-DH280/SNC-CH120/
SNC-DH120/SNC-DH120T/SNC-CH160/SNC-DH160/SNC-CH220/SNC-DH220/SNC-DH220T/SNC-CH260/SNC-DH260/SNC-CH110/SNC-DH110/
SNC-DH110T/SNC-CH210/SNC-DH210/SNC-DH210T/SNT-EX101/SNT-EX101E/SNT-EX104/SNT-EP104/SNC-RZ25/SNC-RZ50

For the update, please check with your local sales representatives.

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