



4ch MPEG-4 Digital Video Recorder with Built-in Multiplexer

DSR-2004 NTSC
PAL

- Real time monitoring at 240 IPS (NTSC) / 200 IPS (PAL)
- Maximum recording speed at 120 IPS (NTSC) / 100 IPS (PAL)
- 4ch audio recording
- Remote surveillance and operation via network
- VGA video output
- Comes with IR remote control unit and DVR utility software



MODEL	NTSC	PAL
General	Max HDD Capacity 500GB	
Hard disk capacity	Max HDD Capacity 500GB	
Picture resolution	720 x 480, 360 x 240 (pixels)	720 x 576, 360 x 288 (pixels)
Compression	MPEG-4	
Picture quality	3 levels (Basic, Normal, Fine)	
Recording speed	120IPS / 4ch (360 x 240/ch), 30 IPS / 4ch (720 x 480/ch)	100IPS / 4ch (360 x 288/ch), 25 IPS / 4ch (720 x 576/ch)
Still image capture	720 x 480, 360 x 240	720 x 576, 360 x 288
Number of cameras	4	
Menu language	English / French / Germany / Spanish / Italian / Russian / Chinese / Polish / Czechoslovak / Swedish / Romania / Bulgaria / Serbia / Japanese	
Telemetry control protocol	SANYO (H-SSP) / PELCO-D / KALATEL / VICON / SENSORMATIC / ELMO	
Search Mode	Event Search, Time / Date Search, Time line Search	
Video	Signal format: NTSC standard (color) / EIA standard (B/W) auto select, 525 lines, 120 IPS PAL standard (Color) / CCIR standard (B/W) auto select, 625 lines, 100 IPS	
Video input	VBS / VS 1.0 V (p-p) 75 Ω BNC x 4	
VGA output	VGA x1*1	
Main monitor output	VBS 1.0 V (p-p) 75 Ω BNC x 1*1	
Audio	Audio input: -8 dBs 27 kΩ unbalanced RCA x 4 Audio output: -8 dBs 600 Ω unbalanced RCA x 1	
Backup (USB 2.0 only)	Still image & Video data	
Net work	Interface: ADSL, LAN / Dynamic IP supported LAN port: 10BASE-T / 100BASE-TX	
Control signal	Sensor alarm input: x 4 Alarm output: x 1 (0.5 A 12.5 V AC, 1 A 30 V DC) [Values in parentheses are the relay ratings inside the DSR-2004.]	
Remote control	IR remote control can control up to 9 units	
Electrical	Power source: Input: 100 V to 240 V AC, 50/60 Hz Output: 12 V DC Power consumption: 25 W / 12 V Operating conditions: Temperature: 5°C to 40°C [41°F to 104°F], Humidity: 80% or less	
Physical	Dimensions: 350(W) x 65(H) x 260(D) mm [13.8 (W) x 2.6(H) x 10.2 (D) in] Weight: 3.2kg [112.9.oz] (with one HDD unit)	
Regulatory	UL, FCC Class B	

NOTE: Specifications subject to change without notice

*1 Either the video input or VGA output can be enabled at a time by a selector switch on the rear panel.

Warnings regarding HDDs

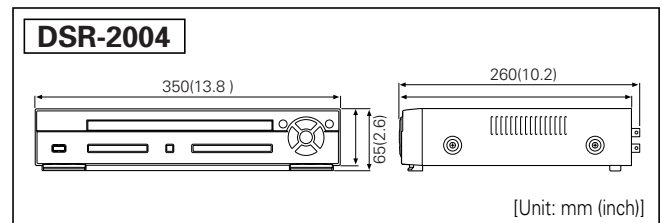
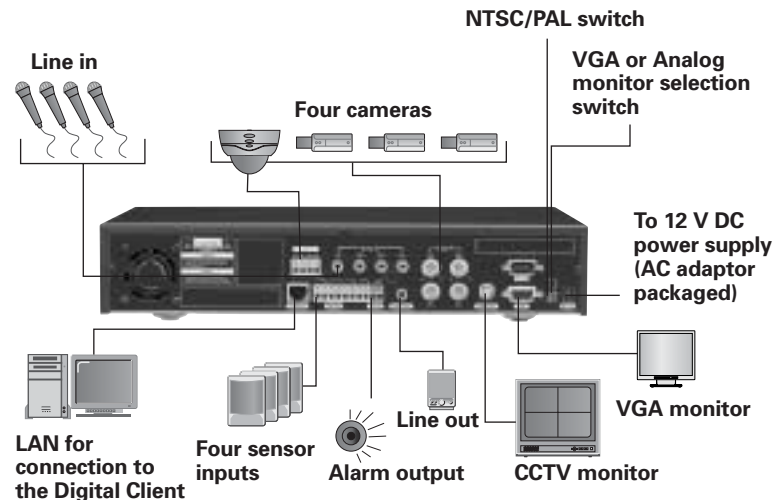
• Do not attempt to install or replace a HDD on your own. You cannot use these HDDs on PCs.

• The unit may be damaged if it is exposed to an impact or vibration, or the power plug is disconnected during operation.

• Sanyo will not be held liable for any data loss due to an HDD error or a failure during recording.

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[Unit: mm (inch)]

MPEG-4

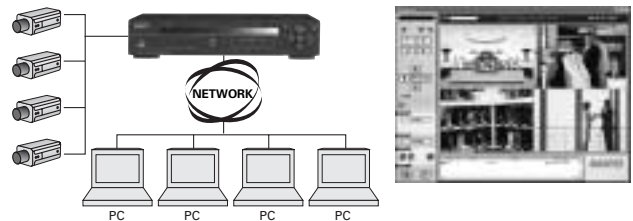
The MPEG (Moving Picture Experts Group) 4 standard is designed to handle reproduction of video with a wide dynamic range — from video streaming on a slow communication line to those equivalent to HDTV quality. In MPEG-4, the picture in a video frame is broken down into objects, such as the background, people, and buildings, and then differentials in respective objects are recorded. This is similar to the video recording in the M-JPEG format. In fact, the subjects that can be treated as objects are not limited to scenes and characters, but extend to audio data such as music and voices.

Low Bit Rate but High Image Quality

Since MPEG-4 offers quality pictures at a low bit-rate, it is possible to record pictures for a considerably longer time compared to JPEG.

Network

DSR-2004 offers network connectivity with LAN and WAN. MPEG-4 is an international standard for highly efficient digital encoding (compression) of video and audio signal and is indispensable for video signal compression and transmission over a network.



Easy Backup (Only through USB 2.0)

Supports the use of USB 2.0 memory sticks. This makes it easy to backup not only still images, but also videos in AVI format.

Other Features

- Full, QUAD and sequential display
- LOG History
- Date format selection

***Caution:** Please consult the instruction manual to ensure safe and proper operation of the product.



DI Company of SANYO Electric Co., Ltd. obtained Quality Management System ISO9001 and Environmental Management System ISO14001 certifications.

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