



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

DSR-2004 PAL
NTSC

- Live picture monitoring at 200 IPS (PAL) / 240 IPS (NTSC)
- Maximum recording speed at 100 IPS (PAL) / 120 IPS (NTSC)
- 4ch audio recording
- Remote surveillance and operation via network
- VGA video output
- Complete with IR remote control unit and DVR utility software
- Easy Back-up (Through USB 2.0), supports the use of USB 2.0 Flash Drives



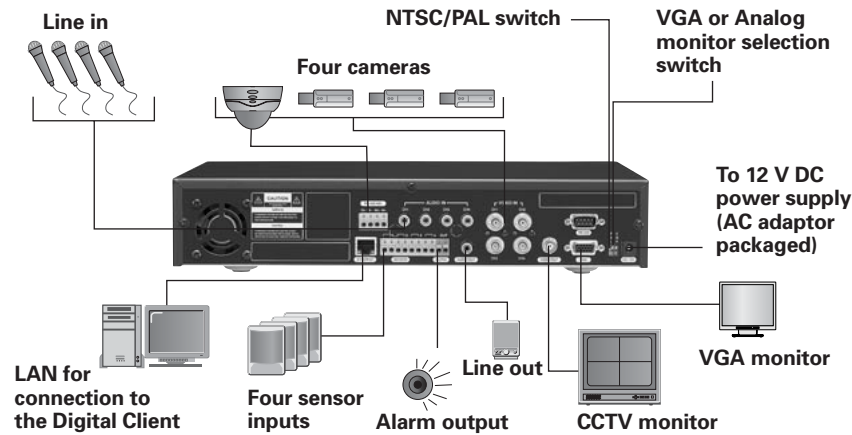
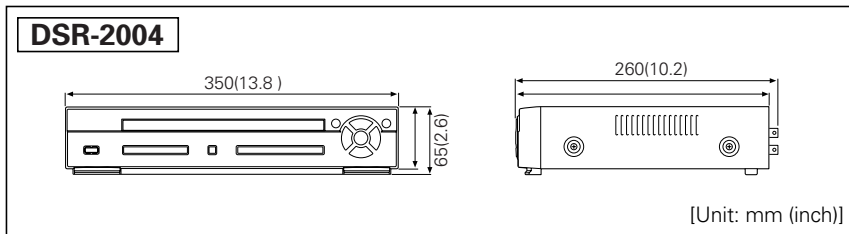
| MODEL | PAL | NTSC |
|-----------------------------------|--|---|
| General | Max HDD Capacity 500GB | |
| Hard disk capacity | Max HDD Capacity 500GB | |
| Picture resolution | 720 x 576, 360 x 288 (pixels) | 720 x 480, 360 x 240 (pixels) |
| Compression | MPEG-4 | |
| Picture quality | 3 levels (Basic, Normal, Fine) | |
| Recording speed | 100IPS / 4ch (360 x 288/ch), 25 IPS / 4ch (720 x 576/ch) | 120IPS / 4ch (360 x 240/ch), 30 IPS / 4ch (720 x 480/ch) |
| Still image capture | 720 x 576, 360 x 288 | 720 x 480, 360 x 240 |
| Number of cameras | 4 | |
| Menu language | English / French / German / Spanish / Italian / Russian / Chinese / Polish / Czech / Swedish / Rumanian / Bulgarian / Serbian / 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: PAL standard (Color) / CCIR standard (B/W) auto select, 625 lines, 100 IPS / NTSC standard (color) / EIA standard (B/W) auto select, 525 lines, 120 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) | |

NOTE: Specifications subject to change without notice

*1 Either the video output or VGA output can be enabled at any one time.

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.
- * "Microsoft" is registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- * All other company and product names are registered trademarks and/or trademarks of their respective owners.



Not compatible with VSP controllers

***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.

Distributed by:



SANYO Electric Co., Ltd.

www.sanyosecurity.com

©2006 SANYO Printed in Japan '06.11. AP SMS135

MPEG-4

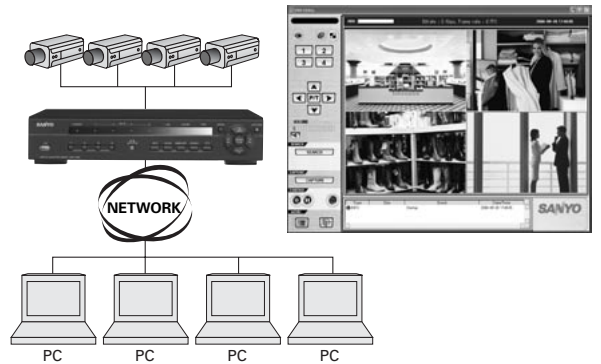
The MPEG (Moving Picture Experts Group) 4 standard is designed to handle reproduction of video with a wide dynamic range — from video streaming on a slow communication line to that equivalent to HDTV quality. In MPEG-4, the picture is broken down into objects, such as the background, people, and buildings,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

Low Bit Rate but High Image Quality

MPEG-4 is capable of providing quality images at a low bit-rate. It is possible to record for considerably longer than systems using JPEG compression.

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 signals. This means it is also highly efficient for transmission over a network.



Easy Backup (Only through USB 2.0)

Supports the use of USB 2.0 Flash Drives. This makes it easy to backup still images in JPEG format and video in AVI format.

Search Functions

Three search functions are available — "Event Search", "Time / Date Search" and "Time line Search" — find recordings instantly.

Other Features

- Full, QUAD and sequential display
- LOG History
- Multi protocol RS-485 telemetry