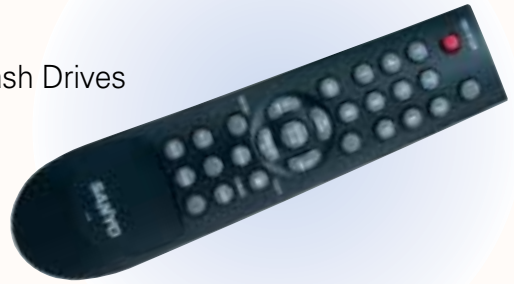
SANYO

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	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.

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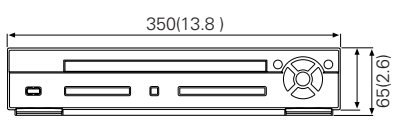
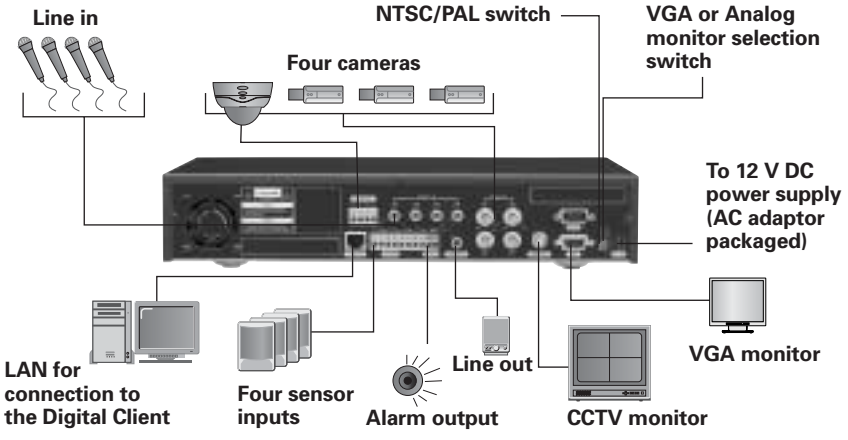


[Unit: mm (inch)]



Not compatible with VSP controllers

MPEG-4

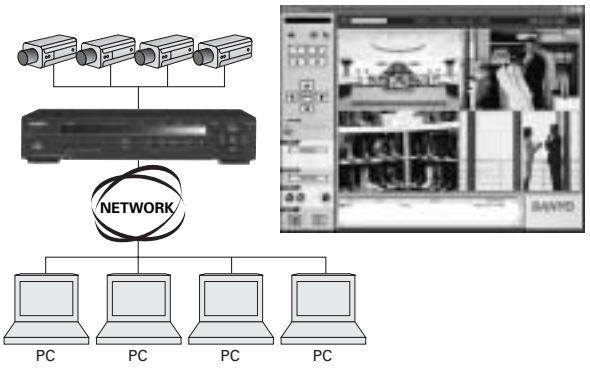
The MPEG (Moving Picture Experts Group) 4 standard is designed to handle reproduction of video with a wide dynamic range — from video streaming on a slow communication line to that equivalent to HDTV quality. In MPEG-4, the picture is broken down into objects, such as the background, people, and buildings, 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

***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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