

Think GAIA
For Life and the Earth

SANYO

16ch MPEG-4 DVR

DSR-2016

PAL
NTSC

- Live picture monitoring at 800 (50IPS x 16ch) IPS (PAL) / 960 (60IPS x 16ch) IPS (NTSC)
- Maximum recording speed at 200 IPS (PAL) / 240 IPS (NTSC)
- Remote surveillance via network
- Supports the use of USB memory (Through USB 2.0)
- VGA video output

Easy Backup with
a standard CD-R/RW drive.



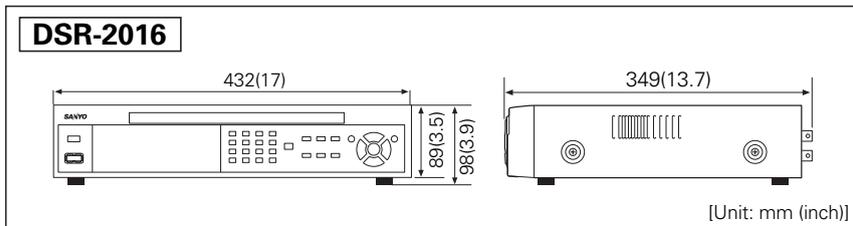
MODEL		PAL	NTSC
General	Hard disk capacity	Max HDD Capacity per One bay 540GB	
	Bay	2bay	
	Picture resolution	704 x 576, 704 x 288, 352 x 288 (pixels)	704 x 480, 704 x 240, 352 x 240 (pixels)
	Compression	MPEG-4	
	Picture quality	5 levels (Network, Economy, Basic, Normal, Fine)	
	Recording speed	200IPS / 16ch (352 x 288/ch), 100IPS / 16ch (704 x 288/ch), 25 IPS / 16ch (704 x 576/ch)	240IPS / 16ch (352 x 240/ch), 120IPS / 16ch (704 x 240/ch), 30 IPS / 16ch (704 x 480/ch)
	Still image capture	704 x 576	704 x 480
	Number of cameras	16	
	Menu language	English / French / German / Spanish / Italian / Russian / Chinese / Polish / Czech / Swedish / Rumanian / Bulgarian / Serbian / Japanese	
	Telemetry control protocol	SANYO(SSP) / PELCO-D / KALATEL / VICON / SENSORMATIC / ELMO	
Search Mode		Event Search, Time / Date Search, Time line Search, Book Mark	
Video	Signal format	PAL standard (Color) / CCIR standard (B/W) auto select, 625 lines, 50 IPS	NTSC standard (color) / EIA standard (B/W) auto select, 525 lines, 60 IPS
	Video input	VBS / VS 1.0 V (p-p) 75 Ω BNC x 16	
	Video output	VBS / VS 1.0 V (p-p) ±0.2 V 75 Ω BNC x 16	
	VGA output	VGA x1*1	
	S-video output	x1	
	Through output	BNC x 16	
	Main monitor output	VBS 1.0 V (p-p) 75 Ω BNC x 1	
	Monitor 2 output	BNC x 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 memory & CD-RW	JPEG & AVI	
Net work	Interface	ADSL, LAN / DDNS supported	
	LAN port	10BASE-T / 100BASE-TX	
Control signal	Sensor alarm input	x 16	
	Alarm output	x 4 (0.5 A 12.5 V AC, 1 A 30 V DC) [Values in parentheses are the relay ratings inside the DSR-2016.]	
Remote control		IR remote control can control up to 99 units	
Electrical	Power source	Input: 100 V to 127 V AC, 4A / 200 V to 240 V AC, 2A	
	Power consumption	HDD x 1 + CD-RW Max. 80 W / HDD x 2 + CD-RW Max. 90 W	
	Operating conditions	Temperature: 5°C to 40°C [41°F to 104°F], Humidity: 80% or less	
Physical	Dimensions	432(W) x 98(H) x 349(D) mm [17.0 (W) x 3.9 (H) x 13.7 (D) in]	
	Weight	7.5kg [264.6 oz] (with two HDD unit + Built-in CD-RW) 6.2kg [218.7 oz] (with out HDD unit + Built-in CD-RW)	

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.
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[Unit: mm (inch)]

SSP devices

Cameras

- 1/4" Color CCD High-resolution AF Zoom Camera
VCC-ZM300PA
- 1/4" Color CCD High-resolution AF Zoom Camera
VCC-ZM400P *DAY NIGHT*
- 1/4" Color CCD High-resolution Weatherproof AF Zoom Camera
VCC-XZ400P *DAY NIGHT*
- 1/4" Color CCD High-resolution AF Speed Dome Camera
VCC-9500P / **VCC-9600P** *DAY NIGHT* / **VCC-9700P** / **VCC-9800P** *DAY NIGHT*

PAN-FOCUS

- 1/4" Color CCD High-resolution PT Indoor mini Dome Camera
VCC-P9575P
- 1/4" Color CCD High-resolution Vandal-resistant PT Dome Camera
VDC-DP9585P
- 1/4" Color CCD High-resolution Indoor mini Dome Camera
VCC-P7575PA+VA-50ST
- 1/4" Color CCD High-resolution Vandal-resistant Dome Camera
VDC-DP7585P+VA-50ST
- 1/4" Color CCD High-resolution Weatherproof Zoom Camera
VCC-XZ200P+VA-20ST



A standard remote control can control multiple units of the DSR-2016.

***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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DI Company

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SMS143

Simultaneous Recording/Playback at 200 IPS (PAL) / 240 IPS (NTSC)

The DSR-2016 offers the capability to smoothly record and playback movement at a maximum rate of 200 IPS (PAL) / 240 IPS (NTSC). It also features two HDD bays, enabling expansion of storage capacity up to 1TB.

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

The DSR-2016 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.

DDNS (Dynamic DNS)

The DSR-2016 can be accessed with a fixed host name (e.g. sanyodsr2016jp), which makes the network easy to remember, always available, and secure.

Standard Configuration Includes a CD-R/RW Drive

The DSR-2016 comes with a CD-R/RW drive and does not require additional devices for backup images and settings.

Easy Backup (Only through USB 2.0)

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

Search Functions

Four search functions are available — "Event Search" "Time / Date Search" "Time line Search" and "Book Mark Search" — find recordings instantly.

Other Features

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

Packaged software

"SANYO DVR Utility 2000S"

System environment

OS	Windows® XP Professional SP2 Windows® XP Home
CPU	Pentium® 4, 1.2GHz or higher
Memory	256MB or more
VGA	16MB or more
Display	XGA (1,024 x 768 pixel), 16-million color or higher DirectX® 9.0 or above
HDD	System setup area: 10MB, Data save area: 2.1GB or above