

# 16ch MPEG-4 Digital Video Recorder

**DSR-2016** NTSC  
PAL

- 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



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



MODEL	PAL	NTSC
<b>General</b>	<b>Hard disk capacity</b> Max HDD Capacity per One bay 540GB	
	<b>Bay</b> 2bay	
	<b>Picture resolution</b> 704 x 576, 704 x 288, 352 x 288 (pixels) / 704 x 480, 704 x 240, 352 x 240 (pixels)	
	<b>Compression</b> MPEG-4	
	<b>Picture quality</b> 5 levels (Network, Economy, Basic, Normal, Fine)	
	<b>Recording speed</b> 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)	
	<b>Still image capture</b> 704 x 576 / 704 x 480	
	<b>Number of cameras</b> 16	
	<b>Menu language</b> English / French / German / Spanish / Italian / Russian / Chinese / Polish / Czech / Swedish / Rumanian / Bulgarian / Serbian / Japanese	
	<b>Telemetry control protocol</b> SANYO(SSP) / PELCO-D / KALATEL / VICON / SENSORMATIC / ELMO	
<b>Search Mode</b>	Event Search, Time / Date Search, Time line Search, Book Mark	
<b>Video</b>	<b>Signal format</b> 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	
	<b>Video input</b> VBS / VS 1.0 V (p-p) 75 Ω BNC x 16	
	<b>Video output</b> VBS / VS 1.0 V (p-p) ±0.2 V 75 Ω BNC x 16	
	<b>VGA output</b> VGA x1*1	
	<b>S-video output</b> x1	
	<b>Through output</b> BNC x 16	
	<b>Main monitor output</b> VBS 1.0 V (p-p) 75 Ω BNC x 1	
	<b>Monitor 2 output</b> BNC x 1	
<b>Audio</b>	<b>Audio input</b> -8 dBs 27 kΩ unbalanced RCA x 4	
	<b>Audio output</b> -8 dBs 600 Ω unbalanced RCA x 1	
<b>Backup</b>	USB 2.0 memory & CD-RW JPEG & AVI	
<b>Net work</b>	<b>Interface</b> ADSL, LAN / DDNS supported	
	<b>LAN port</b> 10BASE-T / 100BASE-TX	
<b>Control signal</b>	<b>Sensor alarm input</b> x 16	
	<b>Alarm output</b> 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.]	
<b>Remote control</b>	IR remote control can control up to 99 units	
<b>Electrical</b>	<b>Power source</b> Input: 100 V to 127 V AC, 4A / 200 V to 240 V AC, 2A	
	<b>Power consumption</b> HDD x 1 + CD-RW Max. 80 W / HDD x 2 + CD-RW Max. 90 W	
	<b>Operating conditions</b> Temperature: 5°C to 40°C [41°F to 104°F], Humidity: 80% or less	
<b>Physical</b>	<b>Dimensions</b> 432(W) x 98(H) x 349(D) mm [17.0 (W) x 3.9(H) x 13.7(D) in]	
	<b>Weight</b> 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)	

### 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 CDR/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

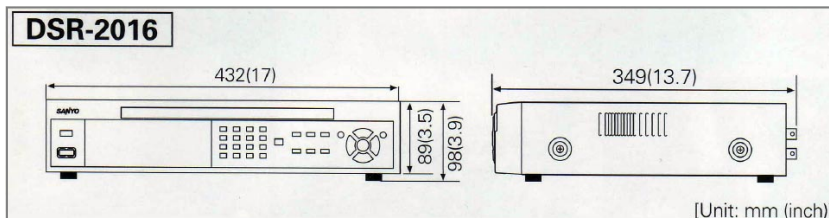
\*1 Either the video output or VGA output can be enabled at any one time.

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



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

\* Due to continuous product enhancement, Sin Chew Alarm reserves the right to change / modify specification without prior notice.