

DSR-M800P 1-channel PAL/NTSC

DIGITAL
NETWORK SOLUTIONS



Digital capability allowing quick retrieval and easy handling. Features one-week nonstop Real-Time recording with outstanding picture quality and audio. Supports networking, as well.

Solid Capabilities in Compact Appearance

DSR-M800P has a compact body, suitable for convenience stores and casinos. Its digital recording enables outstanding picture quality and clear sound. In addition, its one-week nonstop recording comes with high-definition quality, and user can survey live video images and remote-control the device via a network*.

*With the VA-SW800, sold separately

Playback and Image Retrieval while Video Recording

DSR-M800P can record at 25 frames/sec (PAL) and allows more than 168 hours of recording time with 720 x 576 pixels (PAL). In addition, recorded images can be played back simultaneously and impeccable surveillance is possible even while retrieving and playing back desired video images.

Built-in 120GB HDD

DSR-M800P performs one-week (168 h) of nonstop 25 frames/sec recording (PAL) with "HIGH mode" picture quality. Moreover, the unit has an expansion bay for an additional HDD; another 120GB HDD enables more than two-week (336 h) of nonstop recording time. The user can also use the optional HDD for mirror recording to back up important data. (For further details about HDD expansion, contact the place of purchase.)

*Mirror Recording

DSR-M800P each come with one HDD unit. By adding an optional HDD of the same capacity, it is possible to record the same video on two HDDs, thus allowing for a backup.

PICTURE QUALITY CAPACITY	SUPER	HIGH	STANDARD
120GB	84 h	168 h (1-week)	336 h (2-week)
240GB	168 h (1-week)	336 h (2-week)	672 h (4-week)

Audio Recording

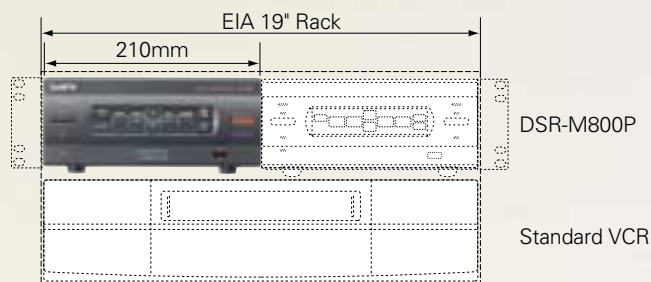
MPEG-1 Audio Layer2 allows recording with clear sound quality. Plus easy downloading with video images via a network.

Reduction of Expenses

Unlike existing VCRs, this unit uses digital HDD recording, thus saving cassette handling time and freeing up space normally needed for tape storage. In addition, its compact size body requires less area for an installation.

Compact Size of 210 mm Width

Digital recording is now available in a compact package of 210mm in width, which makes it possible to install two DSR-M800P units side-by-side in a EIA19" rack. It is an ideal solution for the limited spaces of convenience stores, or casinos where a large number of DVRs are needed.



Multiple Recording Methods

Available modes are "Normal recording" for surveillance images, "Timer recording" for predefined recording hours, and "Alarm recording" with an external alarm signal. The latter two can be combined to perform multiple recording functions.

Timer recording

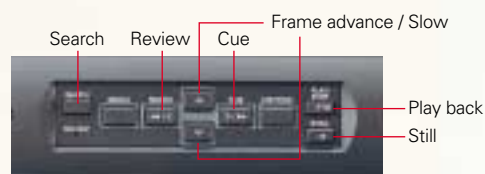
Uniform daily programming and independent programming for each day of the week are both available. Moreover, holidays can be input by specifying the date and month for which Sunday programming is applicable.

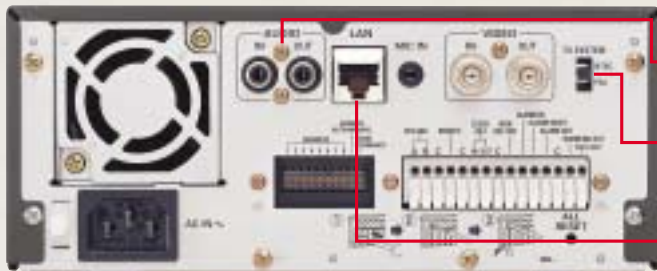
Alarm recording

When an alarm signal is received from an external sensor, DSR-M800P will automatically start recording in the mode pre-determined by the user.

Various Playback Functions

DSR-M800P features 6 playback functions: Playback, Still, Cue / Review (7.5x to 180x), Frame advance, Slow (1/8 to 1/2, forward and backward), and Search.





The device sends out clear sound and receives inputs from external devices.

Switching between PAL / NTSC is possible.

100Base-TX / 10Base-T Ethernet terminal
Standard connection to PCs and HUB.

Search Functions

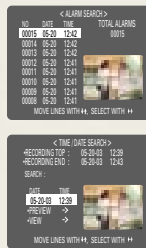
The two search functions — “Alarm search” and “Date / time search” — call up desired images instantly.

Alarm search

Recorded alarm images are retrieved from a list of alarm events and played back.

Date/time search

The user can designate date and time of recorded video images and play back retrieved images.



Security Lock

There are two levels of security lock — Administrators and Users. — offering users the best option for their security needs.

Buzzer

Depending on the user's preference, the unit can be setup to emit a warning buzzer when (1) there is an alarm; (2) HDD becomes full; (3) recording suddenly stops; (4) an abnormality occurs; (5) an operation button is pressed.

TV-System Switching between PAL / NTSC

A changeover switch in the back can transfer video signals of surveillance camera input / monitor output to PAL or NTSC format. (Note: this switch only route the video signal to an appropriate circuit and does not mean that the unit converts a NTSC input to PAL format, or vice versa.) Also, the AC power source is for 120 to 240V.

This compact DVR excels in networking and expandability.

Built-in USB Terminal

The unit has a built-in USB terminal in the front. A CF card reader* allows the user to upload/download menu items and set up other DSR-M800P units.



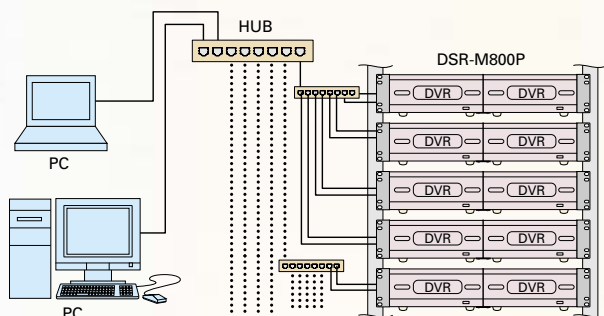
*For a validated CF reader, consult www.sanyosecurity.com.

Built-in Control Terminals

These terminals make it possible to control the DSR-M800P using the separately sold VA-RMN01 Remote Controller.

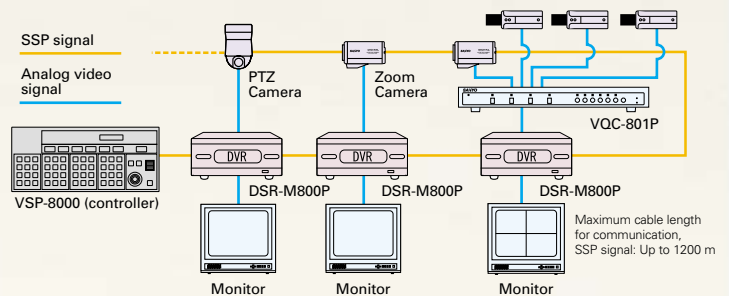
Also Comes with a LAN Terminal

There is a built-in 100Base-TX / 10-Base-T LAN terminal, allowing remote surveillance / control from PC via LAN with the VA-SW800 (sold separately).



Built-in RS-485 Terminals

The unit has built-in RS-485 terminals for SSP (Sanyo Security Serial Protocol) usage. Separately sold system controller VSP-8000 can control up to 128 units of DSR-M800P.



Remote surveillance/control available

DVR Utility Software VA-SW800 (sold separately)

By installing VA-SW800 in PCs, the user can build a remote surveillance system that links DVRs and PCs via LAN. In addition to each set-up, recording, retrieval, playback and live surveillance are available. Moreover, up to 1000DVRs in a network can be controlled by a PC. Complete security involves an ID-password, regulating operational limits in 4 steps. In addition, the software features a function that verifies original data by detecting any alteration to recorded images.



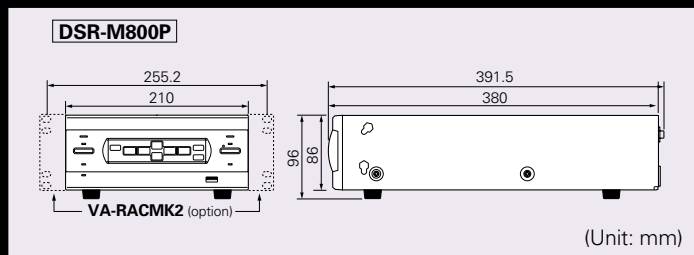
System environment

	Multi Monitoring	Single Monitoring
System	IBM PC / AT or Compatible	
CPU*	Pentium®4 3GHz or faster	Pentium® III 800MHz
Memory	256MB	
Interface	100Base TX, USB(1.1)	
Display	XGA (1,024 x 768 pixel), 16-million colour or greater	
OS	Windows® XP Professional	

*For multiple split-screen monitoring, CPU clock frequency of 750MHz is required per screen.

Other Features

- 30-day memory back-up
- Resume function
- End-of-medium alarm
- On-screen mode setting, menu languages built in: English / French / German / Spanish
- Built-in time date generator
- Auto repeat recording
- Alarm counter
- Automatic summer time adjustment
- Lifetime counter
- Through output of video
- Push-lock terminals for easy installation (refer to the rear panel photo)



MODEL	DSR-M800P
General	
Hard disk Capacity	120GB or 240GB (120GB x 2)
Picture resolution	PAL: 720 x 576 (Super / High), 352 x 576 (Standard) NTSC: 720 x 480 (Super / High), 352 x 480 (Standard)
Compression	MPEG2 (Video), MPEG1 Audio layer2 (Audio)
Picture quality	3 levels (Super / High / Standard)
Recording type	Frame
Recording speed	PAL: 25 frames/sec, NTSC: 30 frames/sec
Menu language	English / French / German / Spanish
Clock setup	Day / Month / Year / Hour / Minute / Second
Signal format	PAL / NTSC colour signal standard (Switchable)
Play back	Playback / Still / Search / Cue / Review / Frame advance / Slow
Search Mode	
Time/Date Search	Search by time and date
Alarm Search	Search by alarm event list
Video input	1.0 V p-p / 75 Ω unbalanced (BNC)
Video output	1.0 V p-p / 75 Ω unbalanced (BNC)
Audio	
Audio input	-8dbs, 27 kΩ unbalanced (RCA pin jack)
Audio output	-8dbs, 600 Ω unbalanced (RCA pin jack)
Microphone input	-60dBs, 10 kΩ unbalanced (3.5mm mini jack)
Interface	
LAN terminal	100BASE-TX / 10BASE-T (RJ-45)
USB terminal	For CompactFlash reader (Front)
Control signal	
RS-485	3 terminals: A / B / C
Remote Control in	VA-RMN01 remote control or External switch connection
Clock adjust output	Normal 5 V, Low level active
Non REC output	Normal 5 V, Low level active
Alarm input	Normal open, Low level active
Alarm output	Normal 5 V, Low level active
Alarm reset input	Normal open, Low level active
Warning output	Open collector (500mA), Low level active
Full output warning	Open collector (50mA), Low level active
Electrical	
Power source	120 V to 240 V AC, 50 / 60Hz
Current consumption	460mA - 280mA
Physical	
Operating conditions	Temperature: 5°C to 40°C [41°F to 104°F], Humidity: 10% to 80%
Dimensions (W x H x D)	210 (W) x 96 (H) x 380 (D) mm
Weight (Approx.)	3.4Kg [7.5 lbs.]

*Specifications subject to change without notice

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" and "Internet Explorer" are 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.

Horizontal resolution 520 TV Line compatible devices

Camera

Standard

1/3" Colour CCD DSP High-resolution Camera
VCC-6572P (12V DC type)
VCC-6574P (24V AC type)

Day/Night

1/3" CCD DSP High-resolution Day/Night Camera (Colour + B/W)
VCC-4592P (12V DC type) New
VCC-4594P (24V AC type) New

Pan Tilt Zoom

SSP coaxial camera control compatible
1/4" Colour CCD DSP High-resolution Speed Dome Camera
VCC-9300P (24V AC type)

Zoom

SSP coaxial camera control compatible
1/4" Colour CCD DSP High-resolution Zoom Camera
VCC-ZM300P (12V DC / 24 V AC dual type)

High-sensitivity

1/3" Colour CCD DSP High-resolution Camera
VCC-6592P (12V DC type)
VCC-6594P (24V AC type)

SSP coaxial camera control compatible
1/4" Colour CCD DSP High-resolution Day/Night Auto Focus Zoom Camera (Colour + B/W)
VCC-ZM400P New
VCC-ZM400P (12V DC / 24 V AC dual type) New

Recorder

16ch Digital Video Recorder New
DSR-3016P

9ch Digital Video Recorder New
DSR-3009P

1ch Digital Video Recorder
DSR-3000P
Digital Real Time VCR
DTL-4800P

Monitor

19" High-resolution Colour Video Monitor
VMC-8619P

14" High-resolution Colour Video Monitor
VMC-8614P

SSP compatible devices

SSP System Unit

SSP System Controller
VSP-8000 New

SSP Signal Converter
VSP-CB10 New

SSP Signal Receiver
VSP-RV200 New

Camera

1/4" Colour CCD DSP High-resolution Speed Dome Camera (Colour + B/W)
VCC-9300P

1/4" Colour CCD DSP High-resolution Day/Night Speed Dome Camera (Colour + B/W)
VCC-9400P New

1/4" Colour CCD DSP High-resolution Zoom Camera
VCC-ZM300P

1/4" Colour CCD DSP High-resolution Day/Night Auto Focus Zoom Camera (Colour + B/W)
VCC-ZM400P New

1/3" Colour CCD DSP High-resolution Camera
VCC-6975P

Recorder

Digital Video Recorder **DSR-3000P** New

Digital Real Time VCR **DTL-4800P**

960-hour Recording + Real Time VCR
*The optional VZU-485/232C board is required **SRT-8960P** New

40-hour Recording + Real Time VCR
*The optional VZU-485/232C board is required **SRT-8040P** New

960-hour Recording S-VHS/VHS Time Lapse VCR **TLS-S8000P** New

960-hour Recording Time Lapse VCR
*The optional VZU-485/232C board is required **TLS-1960P** New

24-hour Recording Time Lapse VCR
The optional VZU-485/232C board is required **TLS-9924P** New

24-hour Recording Time Lapse VCR
The optional board is required **TLS-4024P** New



Video Imaging Systems Division of Sanyo Electric Co., Ltd. obtained Quality Management System ISO9001 and Environmental Management System ISO14001 certifications.

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

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