SANYO

Digital Video Recorder
with Built-in Multiplexer

- HDD recorder complete with 16 / 9-ch multiplexer
- Clear picture with horizontal resolution of 520 TV lines
- Simultaneous recording and playback at 100 IPS.
- Live picture monitoring at 800 (50 x 16ch) IPS and
  450 (50 x 9) IPS for DSR-5016P and DSR-5009P respectively
- Built-in SSP controller with telemetry control
- Networking capability
- Comes with VA-SW5000 DVR management software

DSR-5016P 16-channel PAL
DSR-5009P 9-channel PAL

DIGITAL
NETWORK SOLUTIONS

All-in-one JPEG2000 recorder
Simultaneous recording and playback at 100 IPS.

Made in Japan

The product introduced here is manufactured in Japan utilizing advanced technologies and quality control.

JPEG2000 Enables Clear, Flawless Video Recording! A Multifunctional Machine with Extended Recording Time and Superior Networking Capability

DSR-5016P

An all-new DVR with JPEG2000

A finer picture with a smaller file size* offers unprecedented recording capacity. Comes with ROI, Progressive Scan and handy, versatile search functions.

* Compared to SANYO's M-JPEG model

Major features:

JPEG2000

520 TV line horizontal resolution or higher

Simultaneous recording/playback at 100 IPS

ROI for clear recording of desired surveillance areas

Telemetry control
(Camera control via coaxial cable)

All-in-one unit with built-in multiplexer

Further extension of recording time possible with an external HDD unit

Simple data backup to a disc with a disc writer

Network functions over a LAN

JPEG2000
A high compression rate is achieved while eliminating block noise and pixcelation associated with the JPEG format. The new, elaborate compression method assures better picture quality and longer recording time. By using the ROI (Region of Interest) feature, it is possible to record at a higher picture quality for defined areas on the screen. Additional advantages of using JPEG2000 over JPEG format are:
Smaller image file size, enabling more images to be transmitted
Unique Progressive Scan method which allows higher refresh rate for multi-channel view at remote PCs.

Conventional picture   JPEG2000

Superior Video Recording with 520 TV line Horizontal Resolution or Higher
The DSR-5016P / DSR-5009P offers clear surveillance video recording even for a 720 x 288 pixel screen, with horizontal resolution of 520 TV lines or more and an S/N ratio of 50 dB or better.

Here's the Future of Surveillance!

All in One

DSR-5009P

Superior functionality and expandability makes this machine the ideal choice for new installations and system updates.

An all-in-one Unit with Superior Expandability that Also Serves as a System Hub

The DSR-5016P / DSR-5009P processes a variety of signals — digital, SSP, network (LAN), RS-232C — and can play the role of a system hub. It offers clear picture recording and split-screen surveillance and comes with USB terminals. Its video terminals enable multi-screen real-time monitoring at 100 IPS. And it comes with a telemetry function that offers control over PTZ / zoom cameras, including those supplied by other manufacturers. It is an all-new unit that is capable of accommodating even the most sophisticated surveillance need.

Made in Japan

SANYO's expertise in surveillance systems has all come together in this machine. It is a made-in-Japan unit that includes the latest technology.

Extended Recording Time

JPEG2000 improves picture quality without increasing the size of the data file, or maintains current quality with a reduced file size. This means you get more recording time from the same HDD capacity.

Simultaneous Recording and Playback at 100 IPS (720 x 288 pixels)

SANYO's expertise in the field has made it possible to record and playback simultaneously at a maximum speed of 100 IPS.

Exclusive Extension Units

The VA-EXH, an external HDD unit for further extending recording time, and the VA-EXD1B, a disc writer for backing-up or copying data to portable media, are both available for the DSR-5016P / DSR-5009P.

System extension units

External HDD unit **VA-EXH** New
The VA-EXH is an expansion unit that employs four HDD bays and enables further extension of recording time.

Disc writer (DVD+R/+RW, CD-R/RW)
VA-EXD1 B New
This CD / DVD-writer is a perfect match for the DSR-5016P / DSR-5009P.

SCSI Board **VZU-SCB1** New
The VZU-SCB1 enables the connection to an external RAID system.
For further details on compatible devices, please contact the place of purchase.

❷

Superior Picture Quality of JPEG2000, Quick Data Retrieval, Easy Operation, and User-friendly GUI

ROI (Region of Interest)

ROI is one of the new features included in the JPEG2000 compression method. By setting ROI, it is possible to apply better picture quality for particular areas preset on the screen. The user can set up to three different ROI areas.

Static ROI

Three ROI areas can be set with different user preferences. Enhancing the picture quality for particular areas and lowering it for unimportant areas leads to a reduction of the file size.

Active ROI

Using this function applies the ROI settings only if a motion is detected in the ROI areas.

BASIC mode (8KB)

Static ROI recoding (8KB)

Use the same amount of data …

for enhancing the picture quality of regions of interest

ROI: OFF

ROI: MAX

The three colours indicate the settings for each area.

CH-1   T-1   LEVEL :   OFF TIME LAG: OFF

Camera Telemetry Control

The DSR-5016P / DSR-5009P are capable of controlling PTZ dome cameras and zoom cameras through coaxial cables, RS-485 or a LAN. It also allows this control from a PC or a controller. The unit also supports protocols of other major brands.

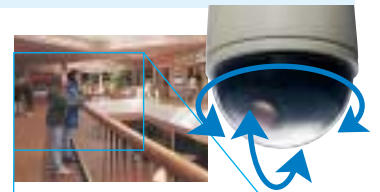* SSP (SANYO Security Serial Protocol) is a communication protocol for security devices proposed by SANYO.

PC
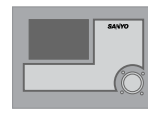
Controller

Camera control (PTZ cameras & zoom cameras only) available from the front panel, PC or a controller

Alarm Log Search

Recordings made during a particular period are shown in a user-friendly GUI. By designating the hour, minute, month, or day of the week of alarm events, a search is performed on a log file to narrow the search and bring up the desired scene.

Alarm Log OSD Select the month

Select the week and the day

Select the ALARM SEARCH or ALARM THUMBNAIL SEARCH

Finally, select the time of images that need to be reviewed

Large Capacity, Convenient Recording, and the Possibility of Upgrading through Expansion

Supports up to 2TB HDD

The unit has two HDD bays, each supporting up to 2TB HDD to make the unit the right choice in today's trend for bigger drives. Selecting a drive of the same capacity will allow the use of the mirroring* function for data backup.
For the latest available range of optional drives, contact the place of purchase.

* Mirror Recording
DSR-5016P / DSR-5009P each comes with two HDD bays. With two HDDs of the same capacity installed, it is possible to record the same video on two HDDs, thus allowing for a backup.

Longer Recording Time with an Expansion Unit

The DSR-5016P or DSR-5009P with two 300 GB HDD units (600 GB total capacity) can, for example, be connected to external HDD unit VA-EXH with 1.6 TB capacity (400 GB x 4, using Serial ATA HDD units) to further increase its storage capacity to a stunning 2.2 TB. This enables unprecedented uninterrupted recording. Adding HDD units also allows extensive storage of recorded data or data backup with mirror recording.

* The DSR-50xxP unit with VZU-SCB1 cannot be connected to the VA-EXH extension unit.

A Variety of Recording Methods

Seven different recording modes are available: Normal, Motion, Static ROI, Active ROI, Alarm, Timer, and External Timer Recording.

Multiple Backup Methods Depending on Data Size

CD-R/RW, DVD+R/+RW

The unit comes with two USB terminals located on both the front and rear panels. Using one of these terminals, it is possible to back-up data to CD-R/RW discs (Max. 640MB), DVD+R/+RW (Max. 4.6GB). The use of discs ensures secure storage of necessary video and audio data.

CompactFlash or Microdrive

DSR-5016P / DSR-5009P comes with a CF Type II expansion slot. It allows the user to export video data to a CompactFlash or Microdrive, and provides an easy way to store data or transfer it to a PC. Downloading and uploading of setup menus by use of a CF card offer an easy option for setting up additional DSR-5016P / DSR-5009P recorders.

* Recommended products only

As for the recommended products, visit our website **www.sanyosecurity.com** or contact the place of purchase.

LOCATIONS OF CONTROLS AND INDICATORS
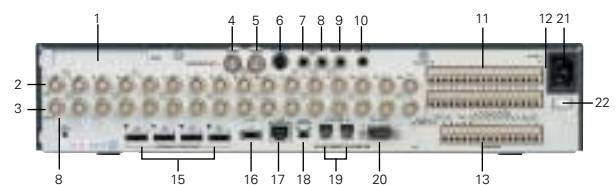
1. POWER indicator	10. [AUDIO] button	19. [ZOOM] button
2. FULL indicator	11. [FUNC.] button	20. [SEARCH] button
3. ERROR indicator	12. [QUAD] button	21. [STILL] button
4. LOCK indicator	13. [MULTI] button	22. [SEQUENCE] button
5. ALARM indicator	14. [MON2] button	23. [COPY] button
6. AUDIO OUT (RCA) terminal	15. [PLUS] button	24. [SHUTTLE HOLD] button
7. VIDEO OUT (RCA) terminal	16. [MENU] button	25. [REC/STOP] button
8. USB terminal	17. [EXIT/OSD] button	26. [TIMER] button
9. [CAMERA SELECT] button	18. [PLAY/STOP] button	27. [ALARM] button

28. Jog dial (inside)	
29. Shuttle dial (outside)	
30. CompactFlash card slot	
31. [MENU RESET] button	

1. SCSI terminal	9. AUDIO OUT terminal	16. USB terminal
2. VIDEO IN terminals	10. MIC IN terminal	17. LAN terminals
3. VIDEO OUT terminals	11. ALARM IN terminals	18. RS-485 termination switch
4. MAIN MONITOR output terminal	12. SENSOR ALARM OUT	19. RS-485 control connectors
5. MON2 output terminal	terminals	20. RS-232C terminal
(digital output)	13. Control terminals	21. AC power socket
6. S-VIDEO output terminal	14. [ALL RESET] button	22. Power cord holder
7. AUDIO1 IN terminal	15. Expansion unit connection	
8. AUDIO2 IN terminal	terminal	

4

Introduction of New Technologies and Essential Features Facilitate Consistent Surveillance

Audio Recording Available
Audio recording is available for recording speeds from 100 IPS to 1 IPS. (A 2ch audio input is provided.)

Pre-alarm Recording
The pre-alarm recording mode allows the user to save up to 15 minutes of video prior to an alarm input, offering a great advantage when analysing a situation.

Timer Recording
The timer recording mode allows the user to set eight different settings. Different settings for each day of the week and multiple settings for the same day are possible. It is also possible to specify the start / stop time or use a different recording speed.

Programmed Recording
For each of four available programs (P1 to P4), the user can specify particular cameras for recording. In addition, different recording speeds can be set for each program. These programs can also be used when making a timer recording or a pre-alarm recording.

Five Different Picture Qualities and 28 Recording Speeds Enable Flexible Settings
The picture quality is selectable from BASIC, NORMAL, ENHANCED, FINE and SUPER FINE. Together with the 28

different recording speeds, the user can select the most suitable recording mode for each situation.

Motion Sensor
DSR-5016P / DSR-5009P comes with a built-in motion sensor. Different settings can be made for each channel independently. The sensor can detect moving objects within the screen by picking up changes in brightness. The user can use this feature to trigger an alarm recording.

Alarm Functions
Using the built-in motion sensor and external sensors, the following alarm functions are available.
(1) Monitor Display Switching
An alarm signal causes the monitor to switch to the designated mode of display (16-, 9-, or full-screen). It also causes letters "SA" (for a Sensor Alarm) or "EA" (for an External Alarm) to be displayed alternately with the camera title. The user can also set each spot monitor to switch to the image from the camera from which the alarm was triggered.
(2) Buzzer and Indicator Lamp Warnings
An alarm signal triggers a buzzer sound as well as the blinking of the camera selection indicator light for the relevant camera.

AV Output Terminal on the Front Panel
These terminal can be used for supplying signals to a consumer VCR or DVD recorder, thus enabling the use of analogue video tapes and DVDs as recording media.

Live, full-motion video monitoring with split-screens
Live video images from multiple cameras can be simultaneously displayed on one monitor without interrupting motion, at the speed of 50 IPS. 16-screen, 9-screen, 4-screen, and full-screen display are all available.
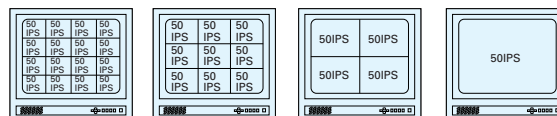
Extensive Display Options
For both live picture monitoring (during multiplex recording) and playback of pictures, the user can select from 16-screen display, 9-screen display, 4-screen display, and full-screen (1-screen) display.

• Plus display
• Playback during Live Surveillance • 4-screen display
• Full-screen display • Screen position assignment
• Monitor masking

300 GB

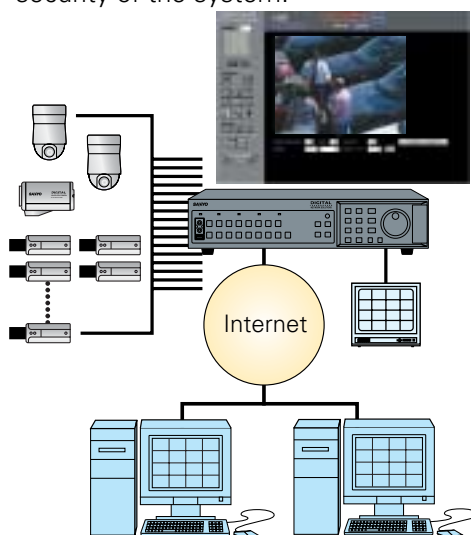| Recording Speed		Picture Quality					Audio Recording
IPS	Recording Interval (sec.)	Basic 8kB	Normal 16kB	Enhanced 24kB	Fine 32kB	Super Fine 40kB	
		Recording Time				(unit: hour)	
100.00	0.01	78	41	28	21	17	Available
50.00	0.02	156	82	56	43	34	
25.00	0.04	311	165	112	85	68	
16.67	0.06	467	247	168	127	103	
12.50	0.08	623	330	224	170	137	
8.33	0.12	935	495	336	255	205	
6.25	0.16	1,246	659	448	340	273	
5.00	0.20	1,557	824	561	425	342	
4.17	0.24	1,867	988	672	509	410	
3.57	0.28	2,181	1,154	785	595	479	
3.13	0.32	2,487	1,317	895	678	546	
2.78	0.36	2,800	1,483	1,008	764	615	
2.50	0.40	3,114	1,649	1,121	849	684	
2.27	0.44	3,429	1,816	1,235	935	753	
1.92	0.52	4,055	2,147	1,460	1,106	890	
1.67	0.60	4,662	2,468	1,678	1,271	1,023	
1.47	0.68	5,296	2,804	1,907	1,444	1,163	
1.32	0.76	5,898	3,122	2,123	1,608	1,295	
1.19	0.84	6,542	3,463	2,355	1,784	1,436	
1.09	0.92	7,142	3,781	2,571	1,948	1,568	
1.00	1	7,785	4,121	2,803	2,123	1,709	
0.50	2	15,570	8,243	5,605	4,246	3,418	Not available
0.33	3	23,590	12,489	8,493	6,434	5,178	
0.25	4	31,139	16,486	11,210	8,493	6,835	
0.20	5	38,924	20,607	14,013	10,616	8,544	
0.10	10	77,848	41,214	28,025	21,231	17,089	
0.05	20	155,696	82,427	56,051	42,463	34,177	
0.03	30	259,494	137,379	93,418	70,771	56,962	

* The recording time may vary slightly depending on the complexity of the images and the presence of an audio signal.
* The recording time will change depending on the settings for the storage area, and the availability of an optional HDD. Contact the place of purchase for details on increasing the capacity by adding a HDD.

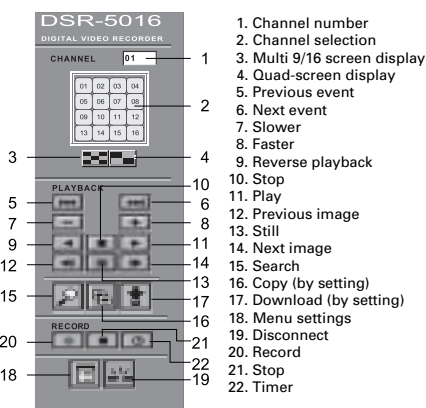Reference: 24H = 1 day, 168H = 1 week, 720H = 1 month, 8760H = 1 year

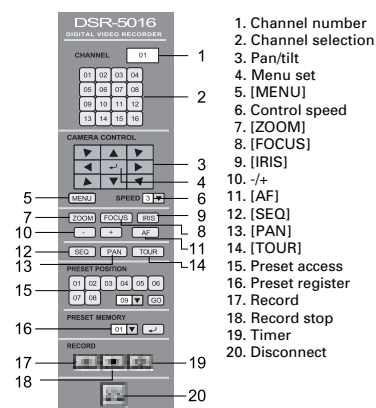# Networking Expands the World of Surveillance

Remote Control by a PC

The built-in LAN terminal enables remote control of the DSR-5016P / DSR-5009P through a PC that is connected to the network (by using Internet Explorer Version 5.0 or higher, without the need for exclusive software). It is also possible to monitor live video, playback recorded pictures, control PTZ dome camera systems, and download video/audio recordings to the PC. Limiting user access to certain functions of the machine by the use of passwords ensures the security of the system.

Network operation frame

DSR-5016
DIGITAL VIDEO RECORDER

1. Channel number
2. Channel selection
3. Multi 9/16 screen display
4. Quad-screen display
5. Previous event
6. Next event
7. Slower
8. Faster
9. Reverse playback
10. Stop
11. Play
12. Previous image
13. Still
14. Next image
15. Search
16. Copy (by setting)
17. Download (by setting)
18. Menu settings
19. Disconnect
20. Record
21. Stop
22. Timer

Network camera control frame

DSR-5016
DIGITAL VIDEO RECORDER

1. Channel number
2. Channel selection
3. Pan/tilt
4. Menu set
5. [MENU]
6. Control speed
7. [ZOOM]
8. [FOCUS]
9. [IRIS]
10. -/+
11. [AF]
12. [SEQ]
13. [PAN]
14. [TOUR]
15. Preset access
16. Preset register
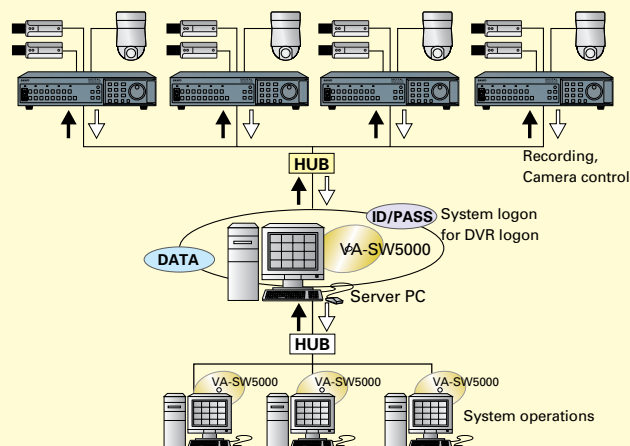17. Record
18. Record stop
19. Timer
20. Disconnect

Other Features

•Triplex recording with 1-field switching •Four-level password security lock (Level 1 to 4) •Video loss alarm •30-day memory back-up •Resume function •Disk full alarm •On-screen mode setting, menu languages built in: English / French / German / Spanish •Built-in time date generator •Six different search functions •Alarm counter •Auto delete •Jog shuttle •Forward / reverse field advance •Automatic summer time adjustment •Lifetime counter •Through output of video •Position adjustable camera titles (10-character) •One push adjustable clock •Push-lock terminals for easy installation

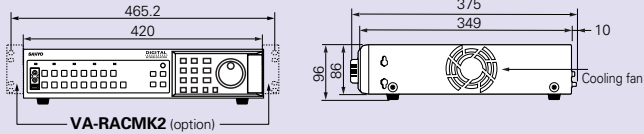## CCTV system Management Software VA-SW5000

By installing the VA-SW5000 software bundled with the unit, remote surveillance of a large-scale system can be easily accomplished from a local PC. System setup and DVR operation is also possible. In addition, it allows simultaneous access of up to eight users. The four-level security feature effectively prevents hacking and maintains the system integrity. Each user is allowed to sign-on independently and can access a maximum of 256 DVR units. Also included in the features is e-mailing any alarm event to a predefined mail address. The user-friendly GUI, which is customised the way only possible with exclusive software, ensures easy operation of the surveillance system.

Recording, Camera control

ID/PASS System logon for DVR logon

VA-SW5000

DATA

Server PC

VA-SW5000   VA-SW5000   VA-SW5000

System operations

System environment

		Recommended	Minimum
OS		Windows® 2000 Professional (SP3), Windows® XP Professional	
CPU		Pentium® 4 3GHz	
Memory		1 GB	
Display		XGA (1,024 x 768 pixel), 16-bit colour ATI®RADEON9000 series or above	
HDD	System setup area	100 MB	
	Data save area	2 GB or above	
LAN port		100 Gbps x 1or above	100 Gbps x 1or above
Network	PC side	LAN	1 Gbps	100 Mbps
		Internet	5 Mbps	1.5 Mbps
	DVR side	LAN	100 Mbps	10 Mbps
		Internet	5 Mbps	5 Mbps

DSR-5016P / DSR-5009P

465.2
420

VA-RACMK2 (option)

375
349
10
96
86
Cooling fan

Option
Rack Mount Bracket
VA-RACMK2

22.6
76.2
50
88
30.1

(Unit: mm)

VA-EXH

420
344
96(3.8)
10(0.4)

(Unit: mm)

VA-EXD1B

420
329.5
54
10
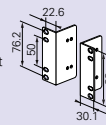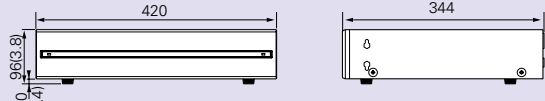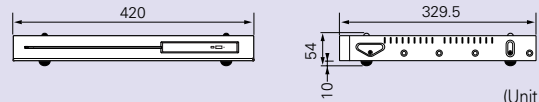
(Unit: mm)

MODEL	DSR-5016P	DSR-5009P
General Hard disk capacity	Max HDD Capacity (Technically) per bay 2TB	
Picture resolution	720 x 288 (pixels)	
Compression	JPEG2000	
Picture quality	5 levels (Basic, Normal, Enhanced, Fine, Super Fine)	
Recording speed	28 levels.	
Recording area	Recording Area / Archive Area	
Number of cameras	16	9
Menu language	English / French / German / Spanish	
Clock setup	Day / Month / Year / Hour / Minute / Second	
Search Mode	Time/Date Search, Alarm Search, Alarm Thumbnail Search, Archive Area Search, Motion detection Search, Alarm log Search	
Video Signal format	PAL standard (Colour) / CCIR standard (B/W) auto select, 625 lines, 50 IPS	
Video input	VBS / VS 1.0 V (p-p) 75 Ω BNC x 16	VBS / VS 1.0 V (p-p) 75 Ω BNC x 9
Video output	BNC x 16	BNC x 9
Main monitor output	VS 1.0 V (p-p) 75 Ω BNC x 1	
Monitor 2 output	VBS / VS 1.0 V (p-p) 75 Ω BNC x 1	
Audio Audio input	-8 dBs 27 kΩ unbalanced RCA x 2	
Audio output	-8 dBs 600 Ω unbalanced RCA x 1	
Microphone input	-60 dBs 10 kΩ unbalanced 3.5 mm mini jack x 1	
Front AV Video output	1.0 V (p-p) 75 Ω unbalanced RCA x 1	
Audio output	-8 dBs 600 Ω unbalanced RCA x 1	
Interface CompactFlash slot	CF type 2	
Control signal LAN	10BASE-T / 100BASE-TX, RJ-45 x 1 Compatible protocol: UDP, TCP/IP, HTTP, DHCP, SMTP, NTP, PPP server	
RS-485	RJ-11 x 2, (With a termination switch)	
RS-232C	D-SUB9 pin	
USB	USB2.0 Series terminal x 2 (Front x 1, Rear x 1)	
Alarm input	No-volt contacts (100ms or more) x 16	No-volt contacts (100ms or more) x 9
Sensor alarm output	Open collector, Low level active (Max. 25 mA) x 16	Open collector, Low level active (Max. 25 mA) x 9
Remote control input	Two-wire voltage control x 2	
Clock set input	No-volt contacts (100ms or more) x 1	
Clock set output	Normal 5 V Low level active x 1	
Alarm output	Active low, Open collector Max. 500 mA x 1	
Alarm reset	No-volt contacts (100ms or more) x 1	
Warning output	Normal DC 5 V Low level active x 1	
Disk full output	Normal DC 5 V Low level active x 1	
Archive full output	Normal DC 5 V Low level active x 1	
External timer input	No-volt contacts (1 second or more) x 1	
NON Rec output	Normal DC 5 V Low level active x 1	
Protocols	SANYO, Pelco, GE, AD, BBV	
Electrical Power source	120 V to 240 V AC, 50 / 60 Hz	
Power consumption	680mA	
Operating conditions	Temperature: 5°C to 40°C [41°F to 104°F], Humidity: 80% or less	
Physical Dimensions	420(W) x 96(H) x 365(D) mm [16.5(W) x 3.8(H) x 14.4(D) in]	
Weight (Approx.)	7.0 kg [15.4 lbs.] (with one HDD unit)	

NOTE: 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", "Internet Explorer" and "Windows" 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.

MODEL	VA-EXH
Product name	External storage unit
EMC standard	CE
Safety standard	CE
Mirroring	Available
Hard disk bay	3.5-inch (x4)
Terminal	7-pin external storage unit connection terminal (x4)
Power supply voltage	120 V to 240V AC, 50 / 60 Hz
Power consumption	680 mA
Operating conditions	Temperature: 5°C to 40°C [41°F to 104°F], Humidity: 80% or less
Dimensions	420 (W) x 96 (H) x 344 (D) mm [16.5(W) x 3.8(H) x 13.5(D) in.]
Weight (Approx.)	6 kg [13.0 lbs.] (without HDD), 6.6 kg [14.0 lbs.] (with a HDD), 7.2 kg [15.0 lbs.] (with 2 HDDs)

MODEL	VA-EXD1B
Product name	External disc unit
Disk drive	Slim type
Recording format	ISO9660
Supported media	DVD+R/+RW and CD-R/RW
Terminals	USB terminal (USB2.0, series B terminal) (x1)
Power supply	120 V to 240 V AC, 50 / 60 Hz
Power consumption	1000 mA
Operating conditions	Temperature: 5°C to 40°C [41°F to 104°F], Humidity: 80% or less
Dimensions	420 (W) x 54 (H) x 329.5 (D) mm [16.5(W) x 2.1(H) x 13.0(D) in.]
Weight	3.9 kg [8.0 lbs.]

Compatible devices with horizontal resolution of 520 TVL

Camera

Standard
1/3" Colour CCD DSP High-resolution Camera
VCC-6585P (12 V DC / 24 V AC dual type)
1/3" Colour CCD DSP High-resolution Camera
VCC-5885P (12 V DC / 24 V AC dual type)
1/3" Colour CCD DSP High-resolution Camera
VCC-6580P (220 to 230V AC type)

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

Pan Tilt Zoom
1/4" Colour CCD DSP High-resolution Speed Dome Camera
VCC-9000P (24V AC type)
1/4" Colour CCD DSP High-resolution Day/Night Speed Dome Camera (Colour + B/W)
VCC-9100P DAY NIGHT (24V AC type)
1/4" Colour CCD DSP High-resolution Speed Dome Camera
VCC-9300P (24 V AC type)

1/4" Colour CCD DSP High-resolution Day/Night Speed Dome Camera (Colour + B/W)
VCC-9400P DAY NIGHT (24 V AC type)

Zoom
1/4" Colour CCD DSP High-resolution Auto Focus Zoom Camera
VCC-ZM300PA (12 V DC / 24 V AC dual type)
1/4" Colour CCD DSP High-resolution Day/Night Auto Focus Zoom Camera (Colour + B/W)
VCC-ZM400P DAY NIGHT (12V DC / 24 V AC dual type)

Vandal Resistant Dome Camera
1/4" Colour CCD DSP High-resolution Day/Night Vandal Resistant Dome Camera (Colour + B/W)
VDC-D1185VP DAY NIGHT (12 V DC / 24 V AC dual type)
1/4" Colour CCD DSP High-resolution Day/Night Vandal Resistant Dome Camera (Colour + B/W)
VDC-D2185VP DAY NIGHT (12 V DC / 24 V AC dual type)

Weatherproof
1/4" Colour CCD High-resolution Weatherproof Day/Night Auto Focus Zoom Camera (Colour + B/W)
VCC-XZ400P DAY NIGHT (12 V DC / 24 V AC dual type)

Recorder
1ch Digital Video Recorder **DSR-300P**
6ch Digital Video Recorder **DSR-3506P**
9ch Digital Video Recorder **DSR-3709P**
16ch Digital Video Recorder **DSR-3716P**

Monitor
15" High-resolution Colour Video Monitor **VMC-8415FP**
15" High-resolution Colour Video Monitor **VMC-8615FP**
19" High-resolution Colour Video Monitor **VMC-8619PA**

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*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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