

Digital Video Recorder with Built-in Multiplexer

- An HDD recorder with a complete 16 / 9-ch multiplexer
- A clear picture with horizontal resolution of more than 520 TV lines
- Simultaneous recording and playback at 50 fields/sec.
- Live picture monitoring at 400 (25 x 16) frames/sec and 225 (25 x 9) frames/sec for DSR-3716P and DSR-3709P respectively
- Built-in SSP controller with camera telemetry control
- Networking capability

DSR-3716P 16-channel
PAL

DSR-3709P 9-channel
PAL

DIGITAL
NETWORK SOLUTIONS



Made in Japan

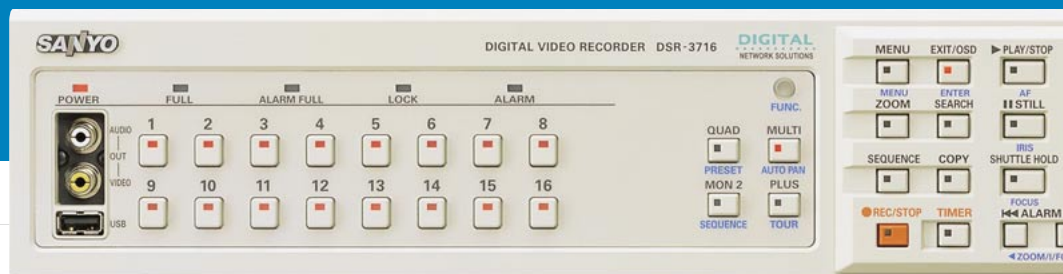
The product introduced here is manufactured in Japan utilizing advanced technologies and quality control.

Digital Video Recorder with Built-in Multiplexer

DSR-3716P 16-channel PAL

DSR-3709P 9-channel PAL

DIGITAL
NETWORK SOLUTIONS

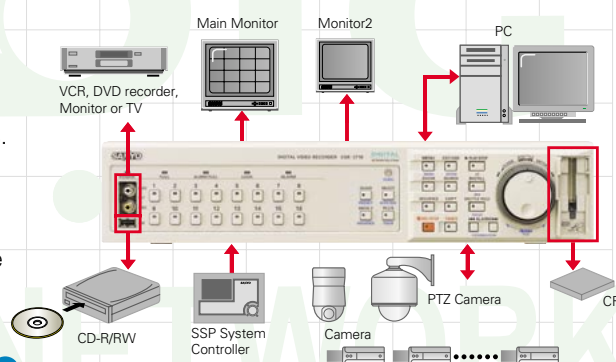


Simultaneous recording/playback with high picture quality of more than 520 TV lines at 50 fields/sec, plus availability of huge 300 GB HDD. Multiple screen display that is updated at 400 FPS*. Also features built-in LAN terminal to add controls over a network.

*DSR-3716P

An All-in-one Unit for a System Hub

Capable of processing analogue signals, SSP signals and network signals (through the LAN terminal), the DSR-3716P / DSR-3709P functions as a system hub that connects different devices such as cameras and monitors. It offers added benefits of 520 TVL high picture quality, real time (25FPS/screen) multiple screen monitoring, and USB terminals to output data to a CD-R/RW disc. The units also include a telemetry function that allows them to control cameras that support SSP via a coaxial cable. These brand new units cover all aspects of the expanded needs of surveillance equipment.



More than 520 TV Lines Real time multiple screen monitoring

High Picture Quality of 520 TV Line Horizontal Resolution

The DSR-3716P / DSR-3709P supports simultaneous recording / playback in the Motion-JPEG video compression standard, a recording good enough for establishing cases against offenders. Naturally, the recording is free from smudges, vertical shifts, and jitters. With a horizontal resolution of more than 520 TV lines and an S/N ratio of more than 50dB, the surveillance video recording is clearer than ever.

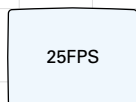
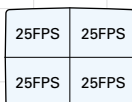
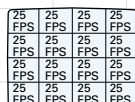


Simultaneous Recording and Playback at 50 fields/sec

The simultaneous recording and playback function makes it possible for the user to review recorded images without interrupting the recording in progress.

Full-motion, Multiple Screen Display of Live Video Images

Multiple live video images can be viewed simultaneously in 16, 9, or 4 split-screen display at the speed of 25FPS/channel. Full screen display is also available. Select the desired display mode without worrying about the update speed.



Audio Recording Available

Audio recording is available for recording speeds from 50 fields/sec to 1 fields/sec. (Audio input must be a single channel.)

HDD Lineup from 80 GB to 300 GB

The unit comes with two HDD bays to accommodate up to 300 GB HDD. Depending on the needs, 80 GB, 160 GB or 250 GB HDDs may also be selected. A 300 GB HDD offers 66 hours of non-stop recording in the normal mode (50fps). Note that the two HDDs must be of the same capacity. With two HDDs installed, mirroring* to backup the recorded data. For further details about HDD expansion, contact the place of purchase.

*As of November 2004

*Mirror Recording

DSR-3716P / DSR-3709P each comes with two HDD bays. By adding an optional second HDD of the same capacity, it is possible to record the same video on two HDDs, thus allowing for a backup.

Five Different Picture Qualities and 27 Recording Speeds Enable Flexible Settings

The picture quality is selectable from BASIC, NORMAL, ENHANCED, FINE and SUPER FINE. Together with the 27 different recording speeds, the user can select the most suitable recording mode for each situation.

Five Different Search Functions

DSR-3716P / DSR-3709P features five different search functions — Time/Date Search, Alarm Search, Alarm Thumbnail Search, Archive Area Search and Motion Detection Search. Since all data is recorded on a HDD, the target image is brought up instantly despite the disk's ability to store a large amount of data.



DSR-3709P

A DVR with Superior System Expansion Capability Supporting Various Media and Network Connection

Camera Telemetry Control

The buttons on the DSR-3716P / DSR-3709P front panel allow the user to control PTZ / zoom cameras. The unit transmits SSP* signals by overlaying them on to the video signal through a coaxial cable. This makes it possible to control cameras that support coaxial SSP transmission without any additional device other than a video cable not only from the front panel, but also from a SANYO controller or via a network. In addition, BBV and PELCO cameras can also be controlled if they support coaxial signal transmission. * SSP (SANYO Security Serial Protocol) is a communication protocol for security devices proposed by SANYO.



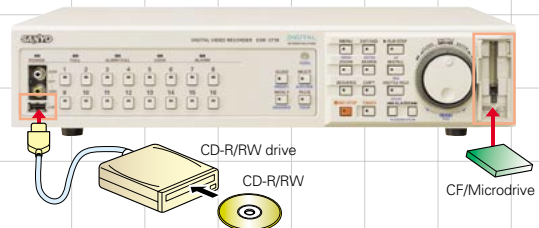
Camera control (PTZ & zoom only) available from the front panel

Multiple Backup Methods Depending on Data Size CD-R/RW

Through USB terminals located both on the front and rear panels, it is possible to back up data in the HDD archiving area to CD-R/RW discs. The use of discs assures secure storage of necessary video and audio data. (Two USB terminals cannot be used simultaneously.)

CompactFlash or Microdrive

DSR-3716P / DSR-3709P 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-3716P / DSR-3709P recorders.



Print Directly from a CF Card or a Microdrive

By using SANYO digital photo printer DVP-P1, it is possible to print images directly from a CF card or a Microdrive. SANYO cannot guarantee performance when other printers are used.

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

AV Output Terminal on the Front Panel

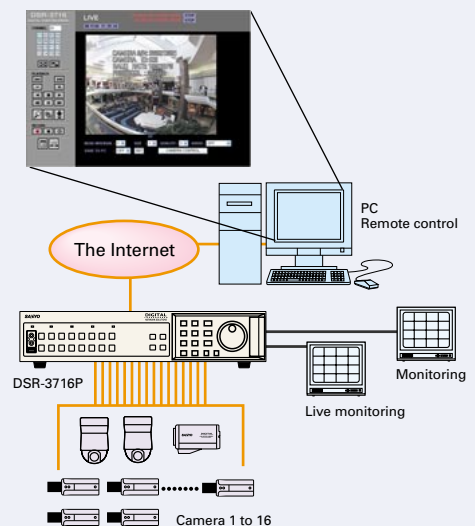
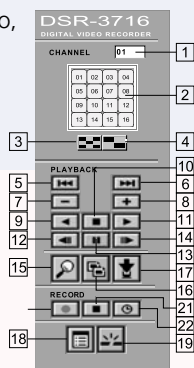
These terminal can be used for supplying signals to a consumer VCR or DVD recorder, thus enabling the use of analogue video tapes and DVD discs as recording media. When a TV monitor is connected, the same video signal as the main monitor can be supplied to it, including the menu screen.

Networking Capability

Remote Control by a PC

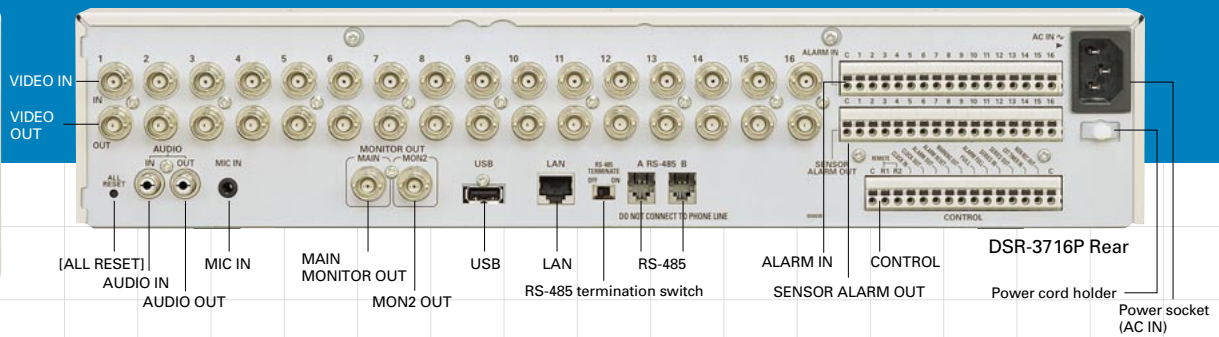
The built-in LAN terminal enables remote control of the DSR-3716P / DSR-3709P through a PC that is connected to the network (remote control is possible by using Internet Explorer Version 5.0 or higher without the need for any special software). It is also possible to monitor the live video, play back recorded pictures, control cameras, and download video/audio recordings to the PC. Added security is provided by limiting the access level depending on the user and password setup.

- | | |
|--------------------------------|----------------------------|
| 1. Channel number | 12. Previous image (ID2/3) |
| 2. Channel selection (ID1/2/3) | 13. Still (ID2/3) |
| 3. MULTIVIEW (ID1/2/3) | 14. Next image (ID2/3) |
| 4. QUAD (ID1/2/3) | 15. Search (ID2/3) |
| 5. Previous event (ID2/3) | 16. Copy (ID2/3) |
| 6. Next event (ID2/3) | 17. Download (ID2/3) |
| 7. Speed down (ID2/3) | 18. Menu settings (ID3) |
| 8. Speed up (ID2/3) | 19. Disconnect (ID1/2/3) |
| 9. Reverse playback (ID2/3) | 20. Record (ID3) |
| 10. Playback stop (ID2/3) | 21. Record STOP (ID3) |
| 11. Playback (ID2/3) | 22. Timer (ID3) |





DSR-3716P



DSR-3716P Rear

Series Connection

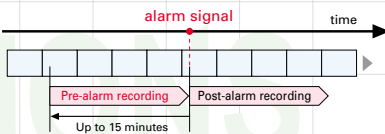
When multiple units of DSR-3716P / DSR-3709P are connected in series, the recording automatically switches to the second DVR if the master DVR runs out of storage capacity. The process continues to the third DVR and onward and enables unlimited expansion of storage capacity and recording time.

Three Recording Modes for Flawless Recording

DSR-3716P / DSR-3709P has three recording modes; Alarm, Timer, and Programme. The three modes can operate individually or in any combination.

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 the situation.



Alarm Recording

A full range of settings for picture quality, recording speed, and audio recording are possible. Alarm recording is triggered by an alarm signal from the built-in motion sensor or an external sensor. There are two operating modes in alarm recording — alternate recording and continuous recording.

SW 1 (alternate recording)



ONLY 2 (continuous recording)



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 programmes (P1 to P4), the user can specify particular cameras for recording. In addition, different recording speeds can be set for each programme. These programmes can also be used when making a timer recording or a pre-alarm recording.

Timer Functions

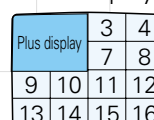
By dividing a day into four time periods T1, T2, T3, and T4, you can set up an independent setting in each time period, for each of the following functions.

- (1) Motion Sensor
- (2) Monitor Masking
- (3) Display Interval for Full-screen Sequential Display

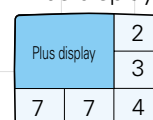
Extensive Display Options

For both live picture monitoring (during multiplex recording) and replay of pictures, the user can select from 16-screen display, 9-screen display, 4-screen display, and full-screen (1-screen) display.

Plus display



Plus display



The maximum number of cameras for DSR-3709P is nine.

300 GB DSR-3716P / DSR-3709P Recording Time

After expansion to 300 GB (100%-usage)

| Recording Speed fields/sec | Recording interval (sec.) | Picture Quality | | | | | Audio Recording |
|------------------------------------|------------------------------|-----------------|----------------------------|------------------------------|-----------------------|-------------------------------|-----------------|
| | | Basic 15KB | Normal 22KB VHS (EP) | Enhanced 30KB VHS (SP) | Fine 42KB S-VHS | Super Fine 50KB S-VHS + | |
| Recording Time (unit: hour) | | | | | | | Available |
| 50.00 | 0.02 | 93 | 66 | 49 | 36 | 30 | |
| 25.00 | 0.03 | 187 | 133 | 99 | 72 | 61 | |
| 16.67 | 0.05 | 281 | 199 | 149 | 108 | 92 | |
| 12.50 | 0.07 | 375 | 266 | 199 | 145 | 122 | |
| 8.33 | 0.10 | 563 | 399 | 299 | 217 | 184 | |
| 6.25 | 0.13 | 751 | 532 | 399 | 290 | 245 | |
| 5.00 | 0.17 | 939 | 665 | 498 | 362 | 307 | |
| 4.17 | 0.20 | 1,126 | 798 | 598 | 435 | 368 | |
| 3.57 | 0.23 | 1,314 | 931 | 698 | 507 | 429 | |
| 3.13 | 0.27 | 1,502 | 1,054 | 798 | 580 | 491 | |
| 2.78 | 0.30 | 1,690 | 1,197 | 898 | 653 | 552 | |
| 2.50 | 0.33 | 1,878 | 1,330 | 997 | 725 | 614 | |
| 2.27 | 0.37 | 2,066 | 1,463 | 1,097 | 798 | 675 | |
| 1.92 | 0.43 | 2,441 | 1,729 | 1,297 | 943 | 798 | |
| 1.67 | 0.50 | 2,817 | 1,995 | 1,496 | 1,088 | 921 | |
| 1.47 | 0.60 | 3,193 | 2,261 | 1,696 | 1,233 | 1,043 | |
| 1.32 | 0.70 | 3,568 | 2,527 | 1,895 | 1,378 | 1,166 | |
| 1.19 | 0.80 | 3,944 | 2,793 | 2,095 | 1,523 | 1,289 | |
| 1.09 | 0.90 | 4,320 | 3,060 | 2,295 | 1,669 | 1,412 | |
| 1.00 | 1 | 4,695 | 3,326 | 2,494 | 1,814 | 1,535 | |
| 0.50 | 2 | 9,391 | 6,652 | 4,989 | 3,628 | 3,070 | |
| 0.33 | 3 | 14,087 | 9,978 | 7,483 | 5,442 | 4,605 | |
| 0.25 | 4 | 18,782 | 13,304 | 9,978 | 7,256 | 6,140 | |
| 0.20 | 5 | 23,478 | 16,630 | 12,472 | 9,071 | 7,675 | |
| 0.10 | 10 | 46,956 | 33,261 | 24,945 | 18,142 | 15,351 | |
| 0.05 | 20 | 93,913 | 66,522 | 49,891 | 36,284 | 30,702 | |
| 0.03 | 30 | 140,870 | 99,783 | 74,837 | 54,427 | 46,053 | |

* The recording time may vary slightly depending on the complexity of the images and the presence of an audio signal.

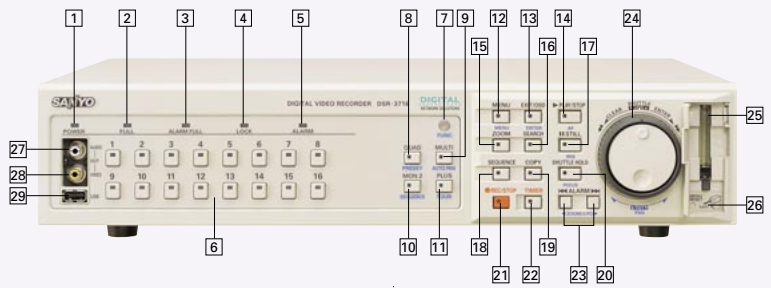
* The table above lists the picture quality vs. recording time for field recording using the normal recording area of the 300 GB HD. The recording time will change depending on the settings for the storage area, the use of frame recording, and the availability of an optional HDD. Contact the place of purchase for details on increasing the capacity by adding a HDD.

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

- Plus display
- 4-screen display
- Full-screen display
- Screen position assignment
- Monitor masking

LOCATIONS OF CONTROLS AND INDICATORS

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. POWER indicator 2. FULL indicator 3. ALARM FULL indicator 4. LOCK indicator 5. ALARM indicator 6. CAMERA SELECT button and indicators 7. [FUNC.] button and indicator 8. [QUAD] button and indicator 9. [MULTI] button and indicator 10. [MON2] button and indicator 11. [PLUS] button and indicator 12. [MENU] button and indicator 13. [EXIT/OSD] button and indicator 14. [PLAY/STOP] button and indicator 15. [ZOOM] button and indicator | <ol style="list-style-type: none"> 16. [SEARCH] button and indicator 17. [STILL] button and indicator 18. [SEQUENCE] button and indicator 19. [COPY] button and indicator 20. [SHUTTLE HOLD] button and indicator 21. [REC/STOP] button and indicator 22. [TIMER] button and indicator 23. [ALARM] button and indicator 24. Jog dial (inside) and shuttle dial (outside) 25. CompactFlash card slot 26. [MENU RESET] button 27. Audio output terminal 28. Video output terminal 29. USB terminal |
|--|--|



Alarm Functions

Using the built-in motion sensor and external sensors, the following alarm functions are available.

(1) Monitor Display Switching

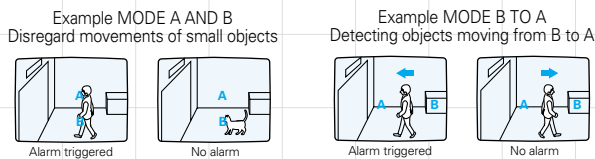
An alarm signal causes the monitor to switch to the designated mode of display (16-, 9-, or full-screen). It also causes letters "SA" (for a video alarm) or "EA" (for an external alarm) to be displayed alternately with the camera title. The user can also set each spot monitor to switch to the image from 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.

Built-in Motion Sensor

DSR-3716P / DSR-3709P comes with a built-in motion sensor. Different settings can be made for each camera image 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.



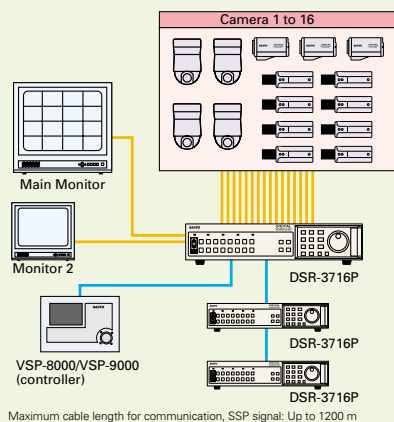
Other Features

- Duplex Recording with 1-Field Switching
- Two-level password security lock (admin / user)
- Video loss alarm
- 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
- 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

System Example

- Analogue video signal
- SSP signal
- LAN

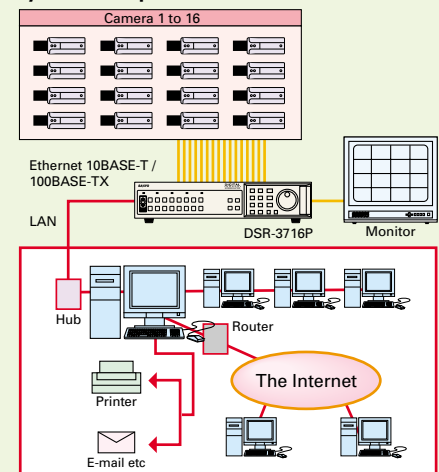
System Example No.1



SSP coaxial camera control compatible

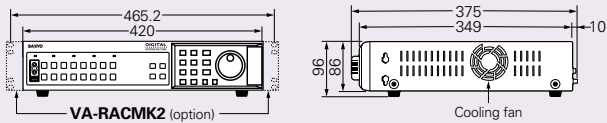
- Zoom**
1/4" Colour CCD DSP High-resolution AF Zoom Camera
VCC-ZM300PA (12V DC / 24 V AC dual type)
VCC-ZM400P DAY NIGHT (12V DC / 24 V AC dual type)
- Pan Tilt Zoom**
1/4" Colour CCD DSP High-resolution Speed Dome Camera
VCC-9300P (12V DC / 24 V AC dual type)
VCC-9400P DAY NIGHT (12V DC / 24 V AC dual type)
- Weatherproof**
1/4" Colour CCD High-resolution Weatherproof Day/Night AF Zoom Camera (Colour + B/W)
VCC-XZ400P DAY NIGHT (12V DC / 24 V AC dual type)

System Example No.2

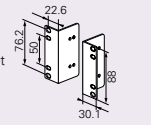


LAN connection enables video monitoring and DVR setup/control from a remote location

DSR-3716P / DSR-3709P



Option
Rack Mount Bracket
VA-RACMK2



(Unit: mm)

| MODEL | DSR-3716P | DSR-3709P |
|----------------------------|--|---|
| General | | |
| Hard disk Capacity | 80 GB, 160GB, 250GB or 300 GB (One HDD can be added.) | |
| Picture resolution | 720 x 288 (Field) | |
| Compression | M-JPEG | |
| Picture quality | 5 levels (Basic, Normal, Enhanced, Fine, Super Fine) | |
| Recording type | Field recording | |
| Recording speed | 27 levels. | |
| Recording Area | Normal Recording Area / Alarm 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 | |
| Video | | |
| Signal format | PAL standard (Colour) / CCIR standard (B/W) auto select, 625 lines, 50 fields/sec | |
| Video input | VBS / VS 1.0 V (p-p) 75Ω BNC x 16 | VBS / VS 1.0 V (p-p) 75Ω BNC x 9 |
| Video output | BNC x 16 | |
| Main monitor output | VS 1.0 V (p-p) 75Ω BNC x 1 | |
| Monitor 2 output | VBS / VS 1.0 V (p-p) 75Ω BNC x 1 | |
| Audio | | |
| Audio input | -8 dBs 27 kΩ unbalanced, RCA x 1 | |
| 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) 75Ω 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 server | |
| | RS-485 RJ-11 x 2 (With a termination switch) | |
| | USB USB1.1 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 x2 | |
| | 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. 500mA 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 | |
| | Alarm full output Normal DC 5 V Low level active x 1 | |
| | Series input Normal DC 5 V Low level active x 1 | |
| | Series 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 | |
| Electrical | Power source 120 to 240 V AC, 50 / 60 Hz | |
| | Power consumption 600 mA | |
| | 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 [16.54(W) x 3.78(H) x 14.37(D) in.] | |
| | Weight (Approx.) 6.3 kg [13.9 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.

***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.

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Horizontal resolution more than 520 TV lines of compatible devices

Camera

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

Line-operate
1/3" Colour CCD DSP High-resolution Camera
VCC-6570P
VCC-6580P Available soon
(220 to 230V AC type)

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

Day/Night
1/3" CCD DSP 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
SSP coaxial camera control compatible
1/4" Colour CCD DSP High-resolution Day/Night Speed Dome Camera (Colour + B/W)
VCC-9300P
(12V 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
(12V DC / 24 V AC dual type)

Recorder

16ch Digital Video Recorder **DSR-5016P** Available soon
9ch Digital Video Recorder **DSR-5009P** Available soon
6ch Digital Video Recorder **DSR-3506P**
1ch Digital Video Recorder **DSR-300P**

Zoom
SSP coaxial camera control compatible
1/4" Colour CCD DSP High-resolution Auto Focus Zoom Camera (Colour + B/W)
VCC-ZM300PA (12V 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
(12V 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
(12V DC / 24 V AC dual type)

1/4" Colour CCD DSP High-resolution Day/Night Speed Dome Camera (Colour + B/W)
VCC-9400P DAY NIGHT
(12V DC / 24 V AC dual type)

Monitor

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

SSP compatible devices

SSP System Unit

SSP System Controller
VSP-8000
VSP-9000
SSP Signal Converter
VSP-CB10
SSP Signal Receiver
VSP-RV200

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 DAY NIGHT
1/4" Colour CCD DSP High-resolution Auto Focus Zoom Camera
VCC-ZM300PA
1/4" Colour CCD DSP High-resolution Day/Night Auto Focus Zoom Camera (Colour + B/W)
VCC-ZM400P DAY NIGHT
1/4" Colour CCD High-resolution Weatherproof Day/Night Auto Focus Zoom Camera (Colour + B/W)
VCC-XZ400P DAY NIGHT

Recorder

1ch Digital Video Recorder **DSR-M810P**
4ch Digital Video Recorder **DSR-M814P**
1ch Digital Video Recorder **DSR-300P**
*The optional VZU-COM300 communication board is required
6ch Digital Video Recorder **DSR-3506P**
9ch Digital Video Recorder **DSR-5009P**
16ch Digital Video Recorder **DSR-5016P**

Network Product

Network Video Server
VSP-SV2000P
NEXUSAGE