SANYO
LAN
ALARM
HDD
REC CH 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
DIGITAL VIDEO RECORDER DSR-2116
USB
REC/STEP
SEQ
QUAD
MULTI
MARK/COPY
SEARCH
PTZ
MENU
EXIT/STOP
SKIP
ENTER
PLAY
1 2 3 4 5 6 7 8
9 10 11 12 13 14 15 16

Sanyo DSR-2108 Instruction Manual

Sanyo dvr user manual

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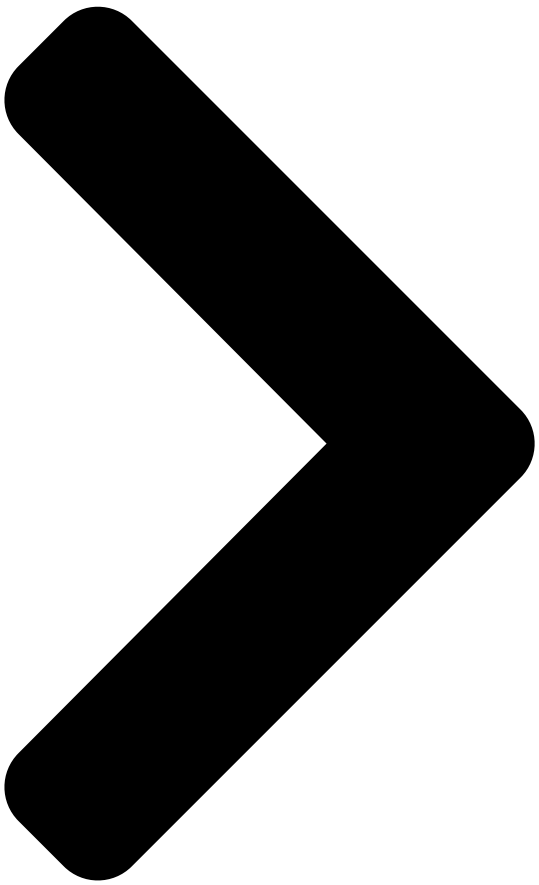

INSTRUCTION MANUAL
Digital Video Recorder

About this manual

Before installing and using this unit, please read this manual carefully.
Be sure to keep it handy for later reference.

● Refer to the included CD-ROM for the German, French, Spanish and Italian "INSTRUCTION MANUAL".

● Die "BEDIENUNGSANLEITUNG" in den Sprachen Deutsch, Französisch, Spanisch und Italienisch
finden Sie auf der beiliegenden CD-ROM.

● Utilisez le CD-ROM fourni pour consulter le "MANUEL D'INSTRUCTIONS" en allemand, français,
espagnol et italien.
● Consulte en el CD-ROM suministrado el "MANUAL DE INSTRUCCIONES" en alemán, francés, español e
italiano.
● Per il "MANUALE DI ISTRUZIONI" in Tedesco, Francese, Spagnolo e Italiano, fare riferimento al
CD-ROM allegato.

DSR-2116

DSR-2108

DSR-2116
DSR-2108

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Related Manuals for Sanyo DSR-2108

DVR Sanyo DSR-2016 Specifications

16ch mpeg-4 dvr (2 pages)

DVR Sanyo DSR-2016 Instruction Manual

Digital video recorder (74 pages)

DVR Sanyo DSR-2004 Instruction Manual

Digital video recorder (64 pages)

DVR Sanyo DSR-2004 Specifications

4ch mpeg-4 digital video recorder with built-in multiplexer (2 pages)

DVR Sanyo DSR-3009 Manual

Sanyo digital video recorder manual for remote operation by network connection dsr-3016, dsr-3009 (36 pages)

DVR Sanyo DSR-M800 Instruction Manual

Sanyo instruction manual digital video recorder dsr-m800 (50 pages)

DVR Sanyo DSR-3016P Instruction Manual

Digital video recorder with multiplexer function (95 pages)

DVR Sanyo DSR-HB8000 Instruction Manual

(182 pages)

DVR Sanyo DSR-3709 Instruction Manual

Digital video recorder with multiplexer system (126 pages)

DVR Sanyo DSR-3716 Quick Operating Manual

Digital video recorder (18 pages)

DVR Sanyo DSR-3000 Instruction Manual

(236 pages)

DVR Sanyo DSR-3000 Instruction Manual

(75 pages)

DVR Sanyo DSR-3000 Service Manual

(89 pages)

DVR Sanyo DSR-5016 Series Quick Operation Manual

(20 pages)

DVR Sanyo DSR-5016 Instruction Manual

Digital video recorder with multiplexer function (227 pages)

DVR Sanyo DSR-3506 Instruction Manual

With multiplexer function (110 pages)

Summary of Contents for Sanyo DSR-2108

Page 1 ● Consulte en el CD-ROM suministrado el “MANUAL DE INSTRUCCIONES” en alemán, francés, español e italiano. ● Per il “MANUALE DI ISTRUZIONI” in Tedesco, Francese, Spagnolo e Italiano, fare riferimento al CD-ROM allegato. DSR-2116 DSR-2108 DSR-2116 DSR-2108...

Page 2: Table Of Contents

D Setting the RS-485 termination switch (SANYO SSP side)..... . 11 Monitoring the camera videos .

Page 3: Safety Precautions

INTO BEAM. Declaration of Conformity Model Number : DSR-2116, DSR-2108 Trade Name : SANYO Responsible party : SANYO FISHER COMPANY Address : 21605 Plummer Street, Chatsworth, California 91311 Telephone No. : (818) 998-7322 • This device complies with Part 15 of the FCC Rules.

Page 4: These Precautions Must Be Followed For Safety Reasons

Safety precautions These precautions must be followed for safety reasons. b Do not use if the unit emits smoke, strange sounds are heard or odor is emitted. Continued use may cause electrocution and/ or fire. Immediately remove the power plug from the outlet.

Page 5

Safety precautions Warning b Do not use during thunder/thunder storms. Do not use during thunder/thunder storms. Never touch the connection cable during thunder/thunder storms. This may cause electrocution. b Do not place in an unstable position. • Doing so may cause accidents and/or breakdowns through falling or toppling.

Page 6

Safety precautions b Cleaning the internal components Consult the dealership where this unit was purchased or factory shop for cleaning internal components. Leaving the unit unused for long periods of time may attract dust to the internal components, which in turn may cause fire and/or breakdowns.

Page 7: Follow The Points Outlined Below For Proper Use

This may cause exterior damage or wear the paint off. b Copyright information • This manual and software are copyrighted to SANYO Electric Co., Ltd. • Microsoft, Windows and Internet Explorer are trademarks or registered trademarks of Microsoft USA in the USA and in other countries.

Page 8: Main Features

• Coaxial superimposed type (COAX) camera control • Maximum recording speed DSR-2116: 240 IPS (NTSC) or 200 IPS (PAL) DSR-2108: 120 IPS (NTSC) or 100 IPS (PAL) • 4ch audio recording • Image downloading to USB memory • Remote operation from PC via network •...

Page 9: About The Split Screen Display

As a result, the number of split screens that can be displayed on the monitor is different, as shown below. (DSR-2116) (DSR-2108) Warning The hard disk is a precision instrument. To avoid damage, handle the hard disk with care and do not expose it to shock.

Page 10: Names And Functions Of Parts

G Multi button (MULTI) (P13) The monitor video is displayed on multi-16 or multi-9 screen. ☞ In DSR-2108, the monitor video is displayed on multi-8 screen. H Mark/Copy button (MARK/COPY) (P26) Switches to image saving mode. I Search button (SEARCH) (P22) Switches to recorded-images searching mode.

Page 11: Names Of Each Part And Connections

Names of each part and connections Rear panel Basic connections • Do not turn this unit on before all the connections are complete. Read the instruction manual of each unit carefully. • Make sure each unit is connected properly as faulty connection may result in the unit emitting smoke and/or being damaged. •...

Page 12: Network Connection (Lan)

Names of each part and connections Network connection (LAN) LAN connection b Using the switching hub Use a 10BASE-T/100BASE-TX CAT 5 LAN cable. When controlling the network, connect to hubs such as the switching hub using an Ethernet cable. Camera (Sold separately) Ethernet cable (Straight cable)

Page 13: Connecting To The Rs-485 Control Terminal

(P40) • Refer to the System controller’s instruction manual for more information about the operation method. To connect a Sanyo PTZ dome camera or system (SANYO SSP) controller To connect a third-party camera If a camera is connected...

Page 14: Switching The Power On / Off

Press the power button. The power indicator changes to green (running) and initialization starts. During initialization the message "INITIALIZING..." and the firmware version are displayed on a "SANYO" logo screen. Once the initialization is complete, live videos are displayed on multi-16 screen.

Page 15: Pre-Operation Preparation

Pre-operation preparation Screen display Upon turning the power on, live video is displayed in the multi screen format. • The screen display can be hidden except for the recording screen display. (P31) b Example of multi-16 screen 2009/05/03 09:04:54 CH10 CH11 CH13 CH14...

Page 16: A Setting The Television System And The Monitor Output

Pre-operation preparation Setting the television system and the monitor output If the television system of the camera to be connected and the type of monitor differ, live videos cannot be monitored on the normal screen. Check the specifications of the equipment to be connected and set the system changeover switch on the rear panel.

Page 17

Pre-operation preparation Press the control button (~) twice and select the "SYSTEM", press the ENTER button. The SYSTEM settings screen is displayed. SYSTEM DVR ID DESCRIPTION LOAD DEFAULT ADMIN PASSWORD USER PASSWORD NETWORK PASSWORD DATE FORMAT CLOCK SET RS485 SET...

Page 18: C Setting The Language (Language)

Once a language has been selected the display language changes. Language selection: NO VIDEO NO VIDEO NO VIDEO Setting the RS-485 termination switch (SANYO CH12 SSP side) NO VIDEO CH16 If multiple devices are connected terminator settings are necessary at both ends.

Page 19: Monitoring The Camera Videos

The videos of cameras 1 - 4 are displayed on quad-screen. 2009/05/03 09:04:54 Press the QUAD button again. The videos of cameras 5-8 are displayed on quad-screen. Each time pressing the QUAD button, the video of the camera changes as the quad-screen. DSR-2116 DSR-2108 2009/05/03 09:04:54...

Page 20: C Multi-Screen Display

• When using quad-screen display ☞ In DSR-2108, the unit of 4 screens, 1 to 4 and 5 to 8, are displayed in sequence. Memo: • The sequence interval from one camera video to another can be set. (P31) •...

Page 21: Operating The Ptz Dome Camera

The set speed is applied to all channels except for SANYO protocol. Set the communication speed for the SANYO protocol using RS485 SET. (P40) Point the cursor to "CHANNEL", specify the channel and set the "PROTOCOL" and "ADDRESS".

Page 22

Operating the PTZ dome camera b Iris/Tour/Sequence operations 1 Select "IRIS/TOUR/SEQUENCE" using the control button ({|) and press the ENTER button. 2 To perform tour operations press the control button ({), to stop tour operations press the ENTER button. 3 To perform sequence operations press the control button (|), to stop sequence operations press the ENTER button.

Page 23: Recording

Recording This unit allows the following recording modes. Select the recording mode, recording resolution, frame rate and video quality from "RECORD" under the MAIN MENU. (P35) The symbol on the right side of each recording mode (Ex: R) is displayed while recording is in progress. b Types of recording modes A Real time recording (R) ...

Page 24: Bcontinuous Recording

Recording CONTINUOUS recording Recording starts automatically when this unit is turned on. "C" is displayed on the screen. The connected cameras are simultaneously recorded. The recording mode can be changed using RECORDING under RECORD settings. Settings, such as image quality, can also be set. (P35) 2009/05/03 09:04:54 To stop recording, select

"RECORDING"...

Page 25: Dalarm Recording

Recording ALARM recording An external sensor can be connected to each channel. Connecting an external switch to an external alarm input terminal. Camera (Sold separately) MENU AUTO MODE POWER Monitor (Sold separately) Set the following items using the control button ({|}~).

Page 26: Eschedule Recording

Recording SCHEDULE recording Adjusting the following settings using the control button ({|}~). • RESOLUTION • FRAME RATE • CHANNEL • QUALITY Select "RECORDING" using the control button ({|) and select "SCHEDULE" using the control button (}~). The following settings are necessary when performing sensor detection.

Page 27

Recording b Copying a set recording schedule to other channels Copying the channel 1 schedule to channel Example 1 3 (COPY FROM) Set the channel 1 schedule and press the EXIT/ STOP button. The RECORD screen is displayed again. TIMER SET - CH1 COPY FROM COPY TO - - -...

Page 28: Playing Back Recorded Videos

Playing back recorded videos The following recorded videos searching methods are available. 2009/05/03 09:04:54 SEARCH EVENT SEARCH TIMELINE SEARCH T/D SEARCH GO FIRST GO LAST BOOKMARK b BOOKMARK (P25) Searches through the bookmarked still images or moving videos. BOOKMARK 2009-04 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25...

Page 29: Aevent Search

Playing back recorded videos EVENT SEARCH Press the SEARCH button. The menu screen is displayed. EVENT SEARCH TIMELINE SEARCH T/D SEARCH GO FIRST BOOKMARK Select "EVENT SEARCH" using the control button ({|) and press the ENTER button. The SEARCH screen is displayed. Select the date you want to search using the control button ({|}~) and press the ENTER button.

Page 30: Btimeline Search

Playing back recorded videos TIMELINE SEARCH Press the SEARCH button. The search menu screen is displayed. Select "TIMELINE SEARCH" using the control button ({|) and press the ENTER button. The SEARCH screen is displayed. • If recordings are available, the date is displayed in red.

Page 31: C T/D Search

Playing back recorded videos T/D SEARCH Press the SEARCH button. The search menu screen is displayed. Select "T/D SEARCH" using the control button ({|) and press the ENTER button. The SEARCH screen is displayed. Select the date and time to be played back using the control button (}~) and input a value using the control button ({|).

Page 32: Gbookmark

Playing back recorded videos BOOKMARK Perform the mark operation of the desired live video. The marked event can be selected and displayed from the list (date). (P26, 27) Press the SEARCH button. The menu is displayed. SEARCH EVENT SEARCH TIMELINE SEARCH T/D SEARCH GO FIRST GO LAST...

Page 33: Copying Recorded Video To Recording Media

Copying recorded video to recording media Necessary video can be selected and copied to USB memory or to a DVD-R, CD-R/RW. Inserting recording media Insert the recording media (USB memory) in advance before you perform copy operation. 1 To copy onto a USB memory Connect a USB memory to the USB terminal on the front panel.

Page 34: C Copying A Playback Video

Select the channel to be copied using the channel selection button (1 - 16). ☞ In DSR-2108, channel selection buttons are 1 to 8. The colour of the corresponding channel indicator changes alternatively each time a channel selection button is pressed.

Page 35: Setting The Security Lock

Setting the security lock Setting a security lock locks all the operation buttons of this unit. b Setting a security lock Press the EXIT/STOP button for approximately 5 seconds. The password entering screen is displayed. PASSWORD Enter the "ADMIN PASSWORD" using the channel selection buttons.

Page 36: Configuration And Function Of The Menu Settings

SYSTEM settings (P37) To perform settings carried out by the manager, such as setting initialization and password, date and time, language and PTZ CONTROL settings. SYSTEM DVR ID DESCRIPTION LOAD DEFAULT ADMIN PASSWORD USER PASSWORD NETWORK PASSWORD DATE FORMAT...

Page 37

ENTER button. The MAIN MENU screen is displayed. • "1111" is the factory default setting password. PASSWORD ☞ In DSR-2108, input using channel selection button 1 - 8. Select the menu using the control button ({|}~). Example: RECORD MAIN MENU...

Page 38: Live Settings

LIVE settings Press the MENU button and enter the ADMIN PASSWORD. The MAIN MENU is displayed, select "LIVE" using the control button ({|}~). MAIN MENU LIVE RECORD NETWORK HDD SET LIVE SEQUENCE SEQUENCE-DWELL TIME 2 SECONDS EVENT BEEP OSD CONTRAST CHANNEL DISPLAY BRIGHTNESS...

Page 39: D Setting A Channel

3 Select the input terminal number (1 - 16) using the control button ({|). ☞ In DSR-2108, input terminal number (1 - 8). 4 Press the ENTER button. ● Setting the MOTION ON An alarm signal is output when the specified video input terminal receives a MOTION detection signal.

Page 40: F Setting The Mon2 (Monitor2)-Out

3 Select the input terminal number (1 - 16) using the control button ({|). ☞ In DSR-2108, input terminal number (1 - 8). 4 Press the ENTER button. ● Setting the VIDEO LOSS ON An alarm signal is output when the specified video input terminal receives a VIDEO LOSS occurs.

Page 41

"QUAD" set 4 channels. Select a channel (1 - 16) using the control button ({|}~). ☞ In DSR-2108, CH1 - CH8. Move the cursor back to "MON2 CHANNEL" using the control button (}~). <If "SEQUENCE" is set to ON>...

Page 42: Record Settings

NTSC: It is possible to select up to a total of 30 frames for PAL: ☞ In DSR-2108, it is possible to select up to 30 (NTSC)/ 25 (PAL) frames. If HALF is selected under resolution setting: NTSC: It is possible to select up to a total of 60 frames for PAL: ☞...

Page 43: C Setting The Timer Set

Input terminals: DSR-2116: ----, 1 - 16 DSR-2108: ----, 1 - 8 • POST EVENT RECORD (Recording time) Sets the duration of the real-time recording (--, 2 to 30 SECONDS, 1 to 5 MINUTES, 10 MINUTES, 15 MINUTES) Memo: If "–...

Page 44: System Settings

Input the unit designation (Example: REC-1) by pressing the control button ({|}~) repeatedly and press the ENTER button. The changed unit designation is displayed in DVR ID on the SYSTEM screen. Furthermore, the unit designation is entered in the sent mail when using "SEND E-MAIL"...

Page 45: D Setting An Admin Password

SYSTEM settings Setting an ADMIN PASSWORD To set a password to perform menu settings, real time recording, search and playback. The initial value is "1111". Memo: If no USER PASSWORD is set, no password is required when performing search and playback operations.

Page 46: E Setting The User Password

SYSTEM settings b Restoring the password input Press the MENU button, select SYSTEM and press the ENTER button. Select "ADMIN PASSWORD" using the control button ({|) and press the

ENTER button. The "Current" password input screen is displayed. ADMIN PASSWORD Current: * * * * - - - -...

Page 47: G Setting The Date Format

Refer to "Setting the clock (CLOCK SET)". (P9) Setting the RS485 SET To be set when devices, such as a system controller or a SANYO protocol camera, are connected to the RS-485 control terminal. Select "RS485 SET" using the control button ({|) and press the ENTER button.

Page 48: L Setting A Remote Control Id

The initial value is set to "00" and the remote control display is displayed on the monitor, remote operations are always available. SYSTEM DVR ID DESCRIPTION LOAD DEFAULT ADMIN PASSWORD USER PASSWORD NETWORK PASSWORD...

Page 49: Network Settings

NETWORK settings Press the MENU button and input the password. The MAIN MENU is displayed, select "NETWORK" using the control button ({|}~). MAIN MENU LIVE RECORD NETWORK HDD SET NETWORK PORT 5445 CLIENT ACCESS BANDWIDTH SAVING NETWORK TYPE 0.0.0.0 SUBNET MASK 0.0.0.0 GATEWAY 0.0.0.0...

Page 50: D Setting The Network Type

NETWORK settings Setting the NETWORK TYPE Select "NETWORK TYPE" to be connected, and set each setting. Consult the network manager for all necessary information. Select "NETWORK TYPE" using the control button ({|). Select a type using the control button ({|). Selection: DHCP, ADSL, LAN DHCP NETWORK...

Page 51: E Setting The Ddns

Setting the DDNS Register the domain name and set the DDNS server when using Sanyo’s DDNS service. Select "DDNS" using the control button ({|) and select "SANYO" using the control button (}~). The DDNS SERVER SET menu is displayed. NETWORK 5445 172.16.1.52...

Page 52: F Setting The Send E-Mail

NETWORK settings Enter the "USER ID" and "PASSWORD" confirmed on the DDNS SERVER SET screen and click the Login button. The domain name registration screen is displayed. Enter the "USER ID" and "PASSWORD" in capital letters. Enter the domain name to be used and click the Submit button.

Page 53: G Setting The Ntp Set

NETWORK settings • MAIL TO To set the destination mail address. Example: MAIL TO @ s a n y o . c o m - •...

Page 54: Hdd Set Settings

HDD SET settings Press the MENU button and input the password. The MAIN MENU is displayed, select "HDD SET" using the control button ({|}~). MAIN MENU LIVE RECORD NETWORK HDD SET HDD SET OVERWRITE FORAMT AUTO DELETE AUTO DELETE DAYS 30 DAYS Setting the OVERWRITE Allows continuing recording and overwriting old videos once...

Page 55: C Setting The Auto Delete Function

HDD SET settings Setting the auto delete function Allows the user to set the storage period for the recording data. Once the storage period is expired the data is automatically deleted. Select "AUTO DELETE" using the control button ({|) and select a setting using the control button (}~).

Page 56: Service Settings

SERVICE settings Press the MENU button and input the ADMIN password. The MAIN MENU is displayed, select "SERVICE" using the control button ({|}~). MAIN MENU LIVE RECORD NETWORK HDD SET SERVICE SAVE SETUP TO A USB LOAD SETUP FROM A USB DISK INFO USB memory Setting the SAVE SETUP TO A USB...

Page 57: Operations Using The Network

Operations using the Network This unit can be operated from a PC screen by using the supplied network operation software "Sanyo DVR Utility 2000S". Prior to performing network operations

make the following preparations. Connection and settings • Network connection: Connect this unit and the PC using a LAN or Internet connection.

Page 58: To Uninstall The Software

Once the installation is complete, the "DVR Utility 2000S" shortcut icon is displayed on the desktop. Double-click this icon to start the software. To uninstall the software Specify "SANYO DVR Utility 2000S" in the control panel [Add or Remove Programs] and uninstall.

Page 59: Connecting To This Unit

Connecting for the first time Click the connect button on the operation panel. The connection dialog [Connect] is displayed. ☞ In DSR-2108, the multi-screen switch button displays a multi-8 screen. Input information such as the address information and settings required for the connection.

Page 60: Main Screen Structure And Function Of Each Part

• Quad-screen • Multi-screen (multi-9 screen / multi-16 screen) • Sequence (camera switch) display • Full-screen display ☞ In DSR-2108, the only available multi-screen is multi-8 screen. <Camera information> The following camera information is displayed on each camera video. 1 (Top left): •...

Page 61: Function Of The Operation Panel

: To sequence (automatic camera switch) display : Selecting a channel and switching to single-screen display ☞ In DSR-2108, only multi-8 screen is available since the number of available channels is 8. 4 Camera controller (Only for PTZ dome camera) When clicking the controller button (changes.

Page 62: Main Screen Basic Operations

☞ In DSR-2108, the unit of 4 screens, 1 to 4 and 5 to 8, are displayed in sequence. b Multi-screen display Click the multi-screen display on the operation panel.

Page 63: B Recording Live Video

When the button is re-clicked, sequence display stops and display returns to normal single-screen display. ☞ In DSR-2108, the unit of 4 screens, 1 to 4 and 5 to 8, are displayed in sequence. b Full-screen display Click the maximize button on the extreme right of the title bar.

Page 64: C Freezing The Live Video

Main screen basic operations Freezing the live video Stops the live video and allows the user to view the live video as a still image. Click the still button on the operation panel. The live video changes to still video, the still button display switches to the unfreeze button.

Page 65: F Operating The Ptz Dome Camera

Main screen basic operations Operating the PTZ dome camera When the PTZ dome camera is connected to this unit, it can be remotely operated from the PC. Sets the menu using this unit. Set the PTZ CONTROL settings on the SYSTEM screen of the menu settings of this unit.

Page 66: Search Mode Operations

Sets the start point of the video range to be backed up. • END POINT: Sets the end point of the video range to be backed up. • BACK UP: Executes the backup. • DVR/PC: Switches the recorded video search destination (this unit or PC).

Page 67: A Searching And Playing Recorded Video

Select the search destination (DVR/PC). Select whether to search the video recorded on the DVR (this unit) or the video recorded on the PC. The search destination can be switched interchangeably by clicking [DVR/PC] on the time scale panel.

Page 68: B Backing Up Dvr Recorded Video

Search mode operations Backing up DVR recorded video DVR (this unit) recorded video can be backed up on the hard disk of a PC in AVI format. Search the recorded video by following the procedure below, specify the video range to be backed up and execute a back Refer to steps

1-3 of "Searching and playing recorded...

Page 69: Setup Menu Settings

To display the "Setup" screen, click the menu button (conditions of the DVR (this unit) during connection and the network operations on this screen. Clicking menu in the [Setup Menu] window on the left of the screen displays the specified menu screen.

Page 70: B Camera Designation Settings (Site)

• IP Address/Port No: The IP address and port number set in the DVR • Protocol: TCP/UDP • Password: The network password set in the DVR Select the number of channels on the DVR (4/8/16 CH) using the "CH Mode".

Page 71: C Event Settings (Event)

Setup menu settings Event settings (Event) Sets the event management method. 1 Log Sets the storage location and allowable size of the event log. 2 Event Set the saving and display conditions for each event using the checkbox. • Log: Whether it saves it as an event log or not •...

Page 72: E Record Settings (Record)

ON and video is automatically recorded in the selected recording mode only after you launch the DVR Utility 2000S the next time. [Auto Record] settings become valid as soon as the unit has been disconnected and reconnected.

Page 73: Remote Setup

Remote Setup The menu settings for the DVR unit can be set from a PC, via network. Remote Setup operating procedure Click the MENU button on the operation panel. The [Setup] screen is displayed. Click [DVR] at the lower left of the screen.

Page 74: B Setting The Display

Channel-specific settings These settings apply to the specified channel only. 1 Channel designation (CH1 - CH16) ☞ In DSR-2108, CH1 - CH8. 2 Display Sets whether to display or not video from the channel on the monitor. • ON: Display •...

Page 75: C Setting The Alarm-Set

Outputs an alarm signal when the specified external alarm input terminal receives an input. Input terminal number DSR-2116: 1 -16, DSR-2108: 1 - 8 3 Motion ON Outputs an alarm signal when the specified video input terminal receives a motion detection signal.

Page 76: D Setting The Monitor2

If "MON2 Type" is set to "FULL", sets one channel, and if it is set to "QUAD", sets 4 channels. Channel: DSR-2116: 1- 16, DSR-2108: 1 - 8 <If "Sequence" is set to ON> Check the channel selection box of the desired channel.

Page 77: E Setting The Record

Channel-specific settings These settings apply to the specified channel only. 1 Channel designation Channel DSR-2116: 1 -16, DSR-2108: 1 - 8 2 Frame Rate Sets the recording rate. (OFF, NTSC: 1 - 30 ips/PAL: 1 - 25 ips) 3 Quality Sets the image quality in 5 levels (NETWORK/ECONOMY/ BASIC/NORMAL/FINE).

Page 78 Remote Setup b Setting the detection frame Set the zone where the motion sensor will be active. Set [Motion Zone] to "PARTIAL ZONE". A button is displayed to the right. Click the button. The screen for setting the detection frame is displayed. Click (or drag) a grid cell in the desired detection frame.

Page 79: F System Settings

(Begin/End) Memo: A confirmation dialog is displayed when [Apply] (or [OK]) is clicked if the date and/or time settings have been changed. The DVR is restarted and the date and time updated when [YES] is clicked on the confirmation dialog.

Page 80: G Description

Remote Setup Description This sub menu is accessible from the System settings. Allows to check information on the DVR such as the version information. • H/W Version • S/W Version • Storage Size: Hard disk capacity • IP Address • MAC Address •...

Page 81: I Setting The Network

• If "ADSL" is selected: Input the login ID and Password. b DDNS settings When using Sanyo's DDNS service, select "SANYO" and input the registered domain name. Memo: • Refer to P45 for details on how to register the domain name.

Page 82: J Setting The Send E-Mail

This sub menu is accessible from the Network settings. This setting is used to automatically send a notification e-mail to a specified address when an alarm occurs, for example. The DVR will be forcibly restarted if a value on this screen is changed. 1 Send E-mail •...

Page 83: Operations Using The Web Browser

Operations using the Web browser Supported browsers are Internet Explorer 5.5 SP2 or later. Supported OSs are Windows XP and Vista. Start the Web browser (Internet Explorer). Input the URL. Input the IP address of the hard disk digital recorder in the browser's address bar.

Page 84

Operations using the Web browser I Tilt Up button J Pan Left button K Pan Right button L Tilt Down button M Zoom In button N Focus Near button O Zoom Out button P Focus Far button <Search screen> Video display area Operation Time scale panel panel...

Page 85

Operations using the Web browser b Saving still images to the PC Click the Capture button. The Web Page Dialog is displayed. Select the [Channel] 2 to be saved. Click the [OK] 3 button. A still image of the selected channel is saved to the folder specified in [File] 1.

Page 86: Part Names Of The Remote Control

Part names of the remote control Batteries for the remote control are not supplied. Use two AAA batteries. REC/STOP ALARM MENU EXIT SERCH MARK LOCK COPY QUAD MULTI 1 REC/STOP button Stops and starts recording of live videos displayed on the monitor.

Page 87: Specifications

MAIN: BNC ×1, S terminal ×1, VGA ×1 (MAIN BNC and S terminal are mutually exclusive), MON2: BNC ×1 RCA ×4 RCA ×1 No-voltage make contact (DSR-2116: ×16, DSR-2108: ×8) Refer to P18. Relay (DC 30 V Max 1A, 125 VAC Max 0.5 A) ×4 Refer to P4. Interface: RJ-45 (10Base-T/100Base-TX) Protocol: TCP/IP, DHCP, UDP Software: DVR Utility 2000S RS485 2-pin ×2...

Page 88: Mounting The Hard Disk (S-Ata)

Mounting the hard disk (S-ATA) A hard disk may not be installed at the time of purchase. If no hard disk is installed, consult the dealership where the unit was purchased for purchase and installation. Make sure the unit is turned off before installing the hard disk. Remove the unit's cover.

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MEMO...

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MEMO...

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MEMO...

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1AC6P1P4015-- L8HBT, L8HBU/XE, US (0609KP-LD) SANYO Electric Co., Ltd. Printed in Korea...

This manual is also suitable for:

Dsr-2116Dsr-2116h1tb