



Sanyo VCC-9400 Instruction Manual

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INSTRUCTION MANUAL

Dome type camera

Caméra de type dôme

Cámara tipo domo

About this manual

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

À propos de ce manuel

Avant d'installer et d'utiliser cet appareil, veuillez lire ce manuel attentivement. Assurez-vous de le garder à portée de la main pour référence ultérieure.

VCC-9400

Acerca de este manual

Antes de instalar y usar este aparato, lea detenidamente este manual. Asegúrese de guardarlo a mano para futuras referencias.

English

Français

Español

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Related Manuals for Sanyo VCC-9400

[Digital Camera Sanyo VCC-9300 Mechanism Service Technical Information](#)

Dome type camera (47 pages)

[Security Camera Sanyo VCC-9400P Service Manual](#)

Dome type camera (29 pages)

Summary of Contents for Sanyo VCC-9400

[Page 1](#) VCC-9400 INSTRUCTION MANUAL English Dome type camera Français Caméra de type dôme Español Cámara tipo domo About this manual Acerca de este manual Before installing and using this unit, please read Antes de instalar y usar este aparato, lea this manual carefully. Be sure to keep it handy for detenidamente este manual.

[Page 2: Table Of Contents](#)

INSTALLATION METHOD4 cord immediately, and consult your dealer (or a Sanyo Authorized CONNECTIONS..... . . 5 Service Centre).

[Page 3: Information To User](#)

Changes or modifications not expressly approved by Sanyo This installation should be made by a qualified service person and may void the user's authority to operate this camera.

[Page 4: Part Names](#)

PART NAMES System control setting switches (See p4) Alarm input connector (10 pin) Sets baud rate and sets RS485 or coaxial control. Use for functions such as intruder detection. Connect the • supplied alarm input expansion connector to this connector and Baud rate setting install the alarm detection switch on the cable side.

[Page 5: Installation Method](#)

INSTALLATION METHOD Power supply unit removal Attach the camera unit to the power supply unit Match the camera unit alignment notches (F) with the power Press in the power supply unit removal lever (A) until it supply unit lever slot (G), then turn the camera unit in the clicks, then turn the power supply unit (C) in the direction direction of the arrow.

[Page 6: Connections](#)

CONNECTIONS Turn off the power for all components before connecting them. Be sure to carefully read the Instruction Manual for all equipment being connected to the camera. If the connections are incorrect, smoke or operating malfunctions may result. Basic connections (RS485) Power supply cable (AC 24 V, 60 Hz) To AC 24 V TV monitor...

[Page 7: System Control Connections](#)

CONNECTIONS System control connections Example 1: Coaxial control system connection (1) 1 - 16 Video output Video output connector (BNC) connector (BNC) SSP (RS-485) single-type multiplexer (sold separately) RS-485 connector System controller TV monitor (sold separately) (sold separately) ALARM IN connector Ground (C) Time lapse VCR Digital video recorder...

[Page 8: Basic Operations](#)

BASIC OPERATIONS Use the following settings and connections to operate this camera with a system controller (sold separately) . Make connections with all equipment turned Operation of the camera with the system off. controller Operation methods are described below. For detailed information about operation, see the instruction manual After referring to "INSTALLATION

METHOD”...

[Page 9: Menu Item Flow And Menu Operation](#)

MENU ITEM FLOW AND MENU OPERATION These menu items allow setting of autopan and sequential pan and other camera functions. If these settings are not made, autopan and sequential pan cannot be utilized, so be sure to make settings appropriate to desired operations. Menu item flow MAIN MENU LANGUAGE...

[Page 10: Language Setting](#)

LANGUAGE SETTING Select one of the languages shown on the menu screen (English, French, Spanish). In the MAIN MENU, use the joystick lever (j or l) to select SET for LANGUAGE, then press the ENTER button. The LANGUAGE screen will appear. MAIN MENU ENTER LANGUAGE...

[Page 11: Preset Position Settings](#)

PRESET POSITION SETTINGS The PRESET POSITION function stores surveillance locations in memory. Up to 64 positions can be stored, and these surveillance locations can be viewed in order by sequential automatic display. In addition, a title can be set for each of the stored surveillance locations and each location can have a camera settings pattern assigned to it (from among 9 different patterns in the “VIEW SETTING (Camera settings)”...

[Page 12: A Preset Position Settings \(Preset No.\)](#)

PRESET POSITION SETTINGS A Preset position settings (PRESET NO.) Press the ENTER button again. Example: Establishing a surveillance location for The menu setting screen will reappear. Repeat steps 2 - 4 to store other preset positions. PRESET NO. 3. Set the corresponding TITLE, CAMERA VIEW and PAUSE TIME for each of the new PRESET NO.

[Page 13: C The Camera Id And Title Setting Screen](#)

PRESET POSITION SETTINGS C The Camera ID and TITLE setting screen TITLE setting Example: Setting the TITLE to “FLOOR-1” Camera ID setting Example: Setting the Camera ID to “CAM 1” Use the joystick lever (j or l) to move the cursor to the first position “?”...

[Page 14: Dcamera View Setting](#)

PRESET POSITION SETTINGS On-screen title POSITION setting D CAMERA VIEW setting Before making any setting change in this item, go to the VIEW SETTING item of the CAMERA SETTINGS menu and establish up Use the joystick lever (j or l) to move the cursor to to 9 patterns of camera settings.

[Page 15: Camera Settings](#)

CAMERA SETTINGS CAMERA SETTING item flow Select CAMERA SETTING Select CAMERA A SYNC: (See p15) Sets camera to internal synchronization (INT) or power source MAIN MENU ENTER LANGUAGE , synchronization (L-L). PRESET POSITION SET , CAMERA , Power source synchronization adjusts the vertical synchronization AUTO MODE ,...

[Page 16: Async Setting](#)

CAMERA SETTINGS A SYNC setting B PRIVACY MASK setting Initial setting is internal synchronization (INT), so it does not need to be set again. Follow the steps below to change the setting to Mask setting power source synchronization (L-L). In the MAIN MENU, select SET for CAMERA and press the Power source synchronization (L-L) setting ENTER button.

[Page 17](#) CAMERA SETTINGS (About the POSITION screen) Use the joystick lever (j l d c) to decide in which It is possible to set as many as 4 masks on the same POSITION direction the mask will be made. screen. Even if a fifth mask is placed, SETy will not appear. Note: •...

[Page 18](#) CAMERA SETTINGS PASSWORD setting Enter the factory set password “1234”. You can lock the privacy masks in place after they have been set. The password requirement is initially set to OFF, but to begin using Use the joystick lever (j or l) to select “1”, then use the it, you must enter the factory set password “1234”.

[Page 19: Clens Setting And Item Flow](#)

CAMERA SETTINGS C LENS setting and item flow Select CAMERA FOCUS: (See page 19) These settings let you select automatic FOCUS SETTING focus (AUTO) or manual focus. Change LIMIT

NEAR MAIN MENU SPEED the focus settings in accordance with ENTER LANGUAGE ,...

[Page 20: Afocus Setting](#)

CAMERA SETTINGS FOCUS setting SPEED of focus setting • Setting the manual focus (MANU) Use the joystick lever (j or l) to move the cursor to Sets a limit for near distance focusing and sets focus speed for SPEED, then use the joystick lever (d or c) to select the manual focus.

[Page 21](#) CAMERA SETTINGS Use the joystick lever (d or c) to select AUTO, then Use the joystick lever (j or l) to move the cursor to SET press the ENTER button. for AREA, and press the ENTER button. The FOCUS SETTING screen will appear. The AREA SETTING screen for AREA 2 (initial setting) will appear to allow setting of focus target area.

[Page 22: Bzoom Setting](#)

CAMERA SETTINGS ZOOM setting V-RESO.UP (Vertical resolution) setting Sets zooming speed and magnification power of the electronic zoom. This item also has a setting for improvement of vertical Use the joystick lever (j or l) to move the cursor to resolution of still pictures.

[Page 23: Cday/Night Setting](#)

CAMERA SETTINGS DAY/NIGHT setting Use the joystick lever (j or l) to select SET for LENS, This lets you set the filming mode to color mode during times of then press the ENTER button. normal brightness, or to black & white mode which removes the The LENS screen will appear.

[Page 24](#) CAMERA SETTINGS DNR setting LEVEL setting Use the joystick lever (j or l) to move the cursor to Use the joystick lever (j or l) to move the cursor to DNR, and then use the joystick lever (d or c) to select LEVEL, use the joystick lever (d or c) to select the level the digital noise reduction setting (example: ON).

[Page 25](#) CAMERA SETTINGS AGC MAX GAIN setting Canceling a settings screen • • • • Use the joystick lever (l) to select BACK for MENU, Use the joystick lever (j or l) to move the cursor to then press the ENTER button. The LENS screen will AGC MAX GAIN, and then use the joystick lever (d or c) reappear.

[Page 26](#) CAMERA SETTINGS • • • • B/W mode setting AGC MAX GAIN setting Use the joystick lever (j or l) to move the cursor to In the MAIN MENU, select SET for CAMERA and press the AGC MAX GAIN, and then use the joystick lever (d or c) ENTER button.

[Page 27: View Angle Setting](#)

CAMERA SETTINGS FOCUS setting VIEW ANGLE setting The VIEW ANGLE setting should normally be left at "OFF". Use the joystick lever (j or l) to move the cursor to FOCUS, and then use the joystick lever (d or c) to select In the MAIN MENU, select SET for CAMERA and press the the focus setting (example: 1).

[Page 28: Dview Setting Item Flow](#)

CAMERA SETTINGS D VIEW SETTING item flow IRIS setting (See p28) This setting allows selection of IRIS to IRIS SETTING either autoiris (AUTO) or manual iris Select CAMERA (MANU). Initial setting is autoiris. SENSE UP (LEVEL) MAIN MENU ENTER LANGUAGE ,...

[Page 29: Airis Setting](#)

CAMERA SETTINGS IRIS setting Backlight compensation additional settings 1 There are 2 possible settings for IRIS, autoiris (AUTO) and manual iris (MANU). Multi-spot evaluative metering (MULT) Autoiris setting (AUTO) Use the joystick lever (j or l) to move the cursor to Sets backlight compensation, magnification of electronic sensitivity BLC, then use the joystick lever (d or c) to select a and iris level.

[Page 30](#) CAMERA SETTINGS Backlight compensation additional settings 2 Use the joystick lever (j or l) to select a zone, then use the joystick lever (d or c) to adjust weighting. • • • • 5 spot centerweighted average metering (CENT) Each setting will change as shown in the illustration. The area from each of the zones 0 -...

[Page 31](#) CAMERA SETTINGS Backlight compensation additional settings 3 SENSE UP setting • • • • 48 multi-spot metering (MASK) Use the joystick lever (j or l) to move the cursor to SENSE

UP, then use the joystick lever (d or c) to select the power of the electronic sensitivity.

[Page 32](#) CAMERA SETTINGS Manual iris setting Lens aperture setting Sets electronic iris ON/OFF, lens aperture and iris level. Use the joystick lever (j or l) to move the cursor to IRIS STOP, then use the joystick lever (d or c) to select the In the MAIN MENU, select SET for CAMERA and press the value.

[Page 33: Bwhite Balance Adjustment](#)

CAMERA SETTINGS WHITE BALANCE adjustment White balance additional settings 1 Adjustments can be made to 3 methods of white balance correction: Auto trace white balance (ATW), one-push automatic MWB setting white balance (AWC), and manual white balance (MWB). Use the joystick lever (j or l) to move the cursor to In the MAIN MENU, select SET for CAMERA and press the WHITE BALANCE, then use the joystick lever (d or c) to ENTER button.

[Page 34](#) CAMERA SETTINGS White balance additional settings 2 Use the joystick lever (j or l) to move a mask pattern to the bottom area of the screen and continue holding the ATW setting joystick lever straight down for 3 seconds. Automatic white balance settings are completed when ATW is The PRESET and MENU items will appear on the screen.

[Page 35](#) CAMERA SETTINGS White balance additional settings 3 GO TO MWB setting AWC setting Use the joystick lever (j or l) to move the cursor to SET for GO TO MWB and press the ENTER button. The MWB SETTING screen will appear and the "R" value will Use the joystick lever (j or l) to move the cursor to be blinking.

[Page 36: C Electronic Shutter Setting](#)

CAMERA SETTINGS Electronic SHUTTER setting Slow shutter speed (LONG) mode setting Sets the electronic shutter to either the fast shutter speed mode (SHORT) or the slow shutter speed mode (LONG). Use the joystick lever (j or l) to move the cursor to SHUTTER, then use the joystick lever (d or c) to select Fast shutter speed (SHORT) mode setting the speed mode for the electronic shutter.

[Page 37: Dmotion Detector Setting](#)

CAMERA SETTINGS MOTION detector setting MOTION SIZE setting This function divides the monitor screen into 48 zones (8 x 6). Sets the target object size desired for detection in the 48 zone Based on information from the separate zones, target images that screen.

[Page 38](#) CAMERA SETTINGS MOTION MASKING setting SENSITIVITY setting Masking target objects that are not desired for detection (swaying Set the degree of sensitivity for motion detection corresponding to trees, flickers of light , etc.) will prevent unwanted alarms from MOTION SIZE. Sensitivity can be set so that natural motions on the being generated.

[Page 39](#) CAMERA SETTINGS DURATION setting ZOOM setting This item is set in the MOTION SETTING screen. Use the joystick lever (j or l) to move the cursor to DURATION, then use the joystick lever (d or c) to adjust the Use the joystick lever (j or l) to move the cursor to ZOOM, detection time duration.

[Page 40: E Profile Compensation Setting \(Aperture\)](#)

CAMERA SETTINGS Profile compensation setting (APERTURE) GAMMA correction setting Set this function to further emphasize the profile of the target In addition to turning gamma correction ON or OFF, contrast object. The amount of compensation can be adjusted for horizontal sensitivity can be boosted at 2 levels.

[Page 41: Auto Mode Settings](#)

AUTO MODE SETTINGS There are 3 types of automatic panning available in AUTO MODE: Sequential pan (SEQ), Tour mode (TOUR), and Auto pan (PAN). AUTO MODE item flow SEQ; Sequential pan setting (See p41) The SEQ function offers 2 types of sequential automatic display, smallest to larger preset position number (STEP) or by a random selection method unique to this device (RANDOM).

[Page 42: A Sequential Pan Setting](#)

AUTO MODE SETTINGS A Sequential pan setting B Tour mode setting Example: Sequential pan will be set to RANDOM, surveillance Before recording in TOUR mode, move the camera in the

location pause time will be 10 seconds, and pan normal viewing mode to the location from which to start the speed to next surveillance location will be 5 TOUR mode.

[Page 43: C Auto Pan Setting](#)

AUTO MODE SETTINGS Note: C Auto pan setting • “REC” will blink for 30 seconds when recording TOUR 1 or Example: A start point and end point will be set, the time for TOUR 2, and it will blink for 60 seconds for W. Complete your pausing at both the end point and at the start point image track while REC is blinking.

[Page 44](#) AUTO MODE SETTINGS Use the joystick lever (j or c) to decide the ending Use the joystick lever (j or l) to move the cursor to PAN SPEED, then use the joystick lever (d or c) to adjust the location, then press the ENTER button. speed for the auto pan.

[Page 45: Auto Flip Setting](#)

AUTO FLIP SETTING When the on-screen image is inverted because tilting operations point the lens nearly straight down, AUTO FLIP will automatically rotate the image up or down, left or right, within a 0 to 180 degree range so that the surveillance view can be seen in an upright position. In the MAIN MENU, select ON for AUTO FLIP.

[Page 46: Alarm Setting](#)

ALARM SETTING ALARM item flow The following settings are necessary for alarm detection. • Connect the supplied alarm input expansion connector to the alarm input connector, then connect the external alarm MAIN MENU (contactless) switch to the end of it. LANGUAGE ,...

[Page 47: Alarm Input Setting](#)

ALARM SETTING A Alarm input setting Adjust the alarm input settings for ALARM IN 3 as needed. In the MAIN MENU, select ON for ALARM and press the Move to preset setting (MOVE) ENTER button. The ALARM screen will appear. After activation of an alarm, the camera moves to the PRESET POSITION with the same number as the alarm number.

[Page 48: Alarm Output Setting](#)

ALARM SETTING Alarm output setting (ALARM OUT) B Alarm output setting Selects the port for alarm output. In the MAIN MENU, select ON for ALARM and press the ENTER button. Use the joystick lever (j or l) to move the cursor to ALARM The ALARM screen will appear.

[Page 49: Freeze And Refresh Settings](#)

FREEZE AND REFRESH SETTINGS FREEZE setting REFRESH setting The FREEZE function, used during sequential pan displays a still If the camera unit’s horizontal rotation contact points become dirty, image of the last seen surveillance location while the camera shifts panning operations may become unstable and images can be to a new location.

[Page 50: Starting Point \(0 Degrees\) Angle Setting](#)

STARTING POINT (0 DEGREES) ANGLE SETTING FRONT Use the joystick lever (j l d c) to turn the camera to the angle desired to become “0” degrees. In the MAIN MENU, move the cursor to STARTING POINT, then use the joystick lever (d or c) to set the North direction.

[Page 51: Address Settings Table](#)

ADDRESS SETTINGS TABLE In the table below, the circle mark indicates that the DIP switch is “ON”. Switch numbers Switch numbers Switch numbers Address Address Address (Camera No.) (Camera No.) m...

[Page 52: Specifications](#)

SPECIFICATIONS Image sensor : 1/4" Effective pixels : 768 (H) x 494 (V) Horizontal resolution : Over 520 TV lines Lens : x22 zoom lens, f=3.6 - 79.2 mm (F1.6 - 3.8) Electronic zoom and gearing Zoom speed setting possible Electronic zoom : 16 power (combined with optic zoom gives 352 power max) Max zoom magnification setting possible...

[Page 53: Main Features](#)

MAIN FEATURES ACCESSORIES • Pan, tilt and zoom operations as well as focus and iris settings Alarm input expansion connector (10 pin)1 can be done manually. Camera control expansion

connector (5 pin) .

[Page 54](#) OBLIGATIONS In order to obtain warranty service, the product must be delivered to and picked up from an Authorized Sanyo Service Center at the user's expense, unless specifically stated otherwise in this warranty. The names and addresses of Authorized Sanyo Service Centers may be obtained by calling the toll-free number listed below.