



Sanyo VCC-HD2500P Service Manual

Megapixel camera

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SERVICE MANUAL

Megapixel Camera

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The components designated by a symbol (!) in this schematic diagram designates components whose value are of special significance to product safety. Should any component designated by a symbol need to be replaced, use only the part designated in the Parts List. Do not deviate from the resistance, wattage, and voltage ratings shown.

RoHS

This product does not contain any hazardous substances prohibited by the RoHS Directive.

WARNING

You are requested to use RoHS compliant parts for maintenance or repair.

You are requested to use lead-free solder.

(This product has been manufactured using lead-free solder. Be sure to follow the warning given on page 2 when carrying out repair work.)

NOTE: 1. Parts order must contain model number, part number, and description.

2. Substitute parts may be supplied as the service parts.

3. N.S.P. : Not available as service parts.

Design and specifications are subject to change without notice.

L5DB2/XE, XE-C1F, XE-C8F, US-Z, US-C1F, US-C8F (R)

PRODUCT SAFETY NOTICE

FILE NO.

VCC-HD2500P

(Product Code : 117 407 00)

(Product Code : 117 457 00)

(Product Code : 117 457 10)

(Europe, U.K., Southeast Asia)

VCC-HD2500

(Product Code : 117 407 01)

(Product Code : 117 457 01)

(Product Code : 117 457 11)

(U.S.A., Canada, Taiwan, Brazil)

REFERENCE No.SM5310791



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Chapters

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Circuit Diagrams & Printed Wiring Boards 22

Related Manuals for Sanyo VCC-HD2500P

[Security Camera Sanyo VCC-HD2500P Manual](#)

(149 pages)

[Security Camera Sanyo VCC-HD2500 Manual](#)

Sanyo vcc-hd2500: user guide (148 pages)

[Security Camera Sanyo VCC-HD2100 - Full HD 1080p Network Camera Summary Manual](#)

Megapixel camera (87 pages)

[Security Camera Sanyo VCC-HD2100P Specifications](#)

Full hd cs-mount camera series (2 pages)

[Security Camera Sanyo VCC-HD2500 Specifications](#)

1080p 4 megapixel day-night cs box camera with audio (8 pages)

[Security Camera Sanyo VCC-HD2100 Specifications](#)

Full hd cs-mount camera series (2 pages)

[IP Camera Sanyo VCB-3385P Instruction Manual](#)

B/w ccd camera (2 pages)

[IP Camera Sanyo VCC-9400P Instruction Manual](#)

Dome type camera (52 pages)

[IP Camera Sanyo VC-0960U Instruction Manual](#)

Dummy camera (2 pages)

[IP Camera Sanyo VC-0550 Instruction Manual](#)

Dummy camera (2 pages)

Summary of Contents for Sanyo VCC-HD2500P

[Page 1: Table Of Contents](#)

FILE NO. SERVICE MANUAL VCC-HD2500P Megapixel Camera (Product Code : 117 407 00) (Product Code : 117 457 00) (Product Code : 117 457 10) (Europe, U.K., Southeast Asia) VCC-HD2500 (Product Code : 117 407 01) (Product Code : 117 457 01) (Product Code : 117 457 11) (U.S.A., Canada, Taiwan, Brazil)

[Page 2](#) WARNING Do not use solder containing lead. This product has been manufactured using lead-free solder in order to help preserve the environment. Because of this, be sure to use lead-free solder when carrying out repair work, and never use solder containing lead.

[Page 3: Specifications](#)

Backlight compensation : Multi-spot evaluative metering, center-weighted evaluative metering, masking, face detection Electronic sensitivity boosting : Auto (32 x max) or Off Electronic shutter : 1/25, 1/50, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 (VCC-HD2500P) Electronic shutter : 1/30, 1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 (VCC-HD2500)

[Page 4](#) Network Image/ video compression : H.264/ JPEG Video size (H.264) : (16:9) 1920x1080, 1280x720, 640x360, 320x180 (4:3) 1600x1200, 1280x960, 1024x768, 640x480,

320x240 Video size (H.264) : Video size (JPEG) : (16:9) 1920x1080, 1280x720, 1024x576, 640x360 (4:3) 2288x1712,1600x1200, 1280x960, 1024x768, 800x600, 640x480, 320x240
Video size (JPEG) : Picture quality : QUALITY mode: BASIC, NORMAL, ENHANCED, FINE, SUPER
FINE BITRATE mode: User-specified bit rate...

[Page 5: Disassembly](#)

1. DISASSEMBLY 1-1. REMOVAL OF COVER AND CABINET 1. Cover, SD 2. Cover, USB 3. Screw 3 x 12 4. Two screws 3 x 6 5. Mounting + Cover mounting 6. Two screws 3 x 4 7. Cover left 8. Cover iris 9.

[Page 6](#) 1-2. REMOVAL OF CABINET FRONT AND ASSY UNIT 1. Heat sink rub CA2 2. Spacer CA1 3. Cabinet, front 4. FPC (CN303) 5. Connector (CN104) 6. FPC (CN301) 7. Two screws 1.7 x 4 8. Two screws 1.7 x 4 9.

[Page 7](#) 1-4. REMOVAL OF CA-3 BOARD, CA-6 BOARD, CA-5 BOARD AND CA-4 BOARD 1. Screw 1.4 x 2.5 2. Two screws 1.7 x 4 When assembling, tighten the screws order. A 3. Connector 4. CA-3 board 5. Connector 6. Connector 7. CA-6 board 8.

[Page 8: Adjustment](#)

SET button of the operation panel. Calibration software 3. Double-click on the DscCalDi.exe. 4. L5DB2 is selected with Model Code. Chroma meter VJ8-0192 5. PAL (VCC-HD2500P) or NTSC (VCC-HD2500) is Spare lump (pattern box) VJ8-0191 selected with Video Mode. Standard lens VHJ-0196...

[Page 9](#) 2-5. Adjustment Adjusting method: 1. Set a distance of 0.5-1.0 cm between camera lens and 1. Timer Quartz Adjustment Adjustment location: CT351 (CA-5) the pattern box. (Do not enter any light.) Measuring location: TP351 (CA-5) 2. Connect the camera's USB terminal to the computer' Measuring equipment: Frequency counter USB connector.

[Page 10](#) Adjustment location: CCD Black of computer screen Adjustment value determination is effectuated using below val- Measuring location: Computer screen ues. The adjustment values fulfill the conditions below, they are Measuring equipment: Subject: Lens of VHJ-0196 determined as within specifications. Adjusting method: 1.

[Page 11](#) 2-6. Overwriting firmware from the calibration software Preparation: PC with overwriting firmware copied to the preferred folder in the HD. Data: s32xxxxx.BIN (xxxxx: version) Overwriting method: 1. Connect the camera's USB terminal to the computer' USB connector. 2. It turns on power while pushing the FAR button and the SET button of the operation panel.

[Page 12: Parts List](#)

COVER RIGHT-L5DB2 7002 613 184 1659 CUSHION BAG 5026 613 220 5597 COVER USB-L5DB2 7004 613 203 8522 LABEL RECYCLE,VCC-HD2500P ONLY 5028 613 220 5603 COVER SD-L5DB2 5030 613 220 9885 SPACER COVER TOP-L5DB2 5031 613 221 3141 HEAT SINK RUB CA2-L5DB2...

[Page 13](#) NJ512 5009 5008 NJ516 5012 NJ518 NJ518 6004 5033 5030 NJ616 5016 6002 6006 5032 5024 8000 5031 5018 5014 L5DB2/XE_CAB...

[Page 14: Electrical Parts](#)

ELECTRICAL PARTS Note: 1. Materials of Capacitors and Resistors are abbreviated as follows ; Resistors Capacitors MT-FILM Metallized Film Resistor MT-POLYEST Metallized Polyester Capacitor MT-GLAZE Metallized Glaze Resistor MT-COMPO Metallized Composite Capacitor OXIDE-MT Oxide Metallized Film Resistor TA-SOLID Tantalum Solid Capacitor AL-SOLID Aluminum Solid Capacitor NP-ELECT...

[Page 15](#) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION C1052 303 338 0309 CERAMIC 0.1U K 10V RB109 645 093 1550 R-NETWORK 10KX4 0.031W RB110 645 078 4224 R-NETWORK 0X2 0.063W C1053 303 338 0309 CERAMIC 0.1U K 10V C1054 303 338 0309 CERAMIC 0.1U K 10V RB111...

[Page 16](#) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION R3069 301 225 1200 MT-GLAZE 4.7K JA 1/16W R1093 301 224 8903 MT-GLAZE 100K JA 1/16W R3071 301

225 1200 MT-GLAZE 4.7K JA 1/16W R1101 301 226 1506 MT-GLAZE 0.000 ZA 1/16W R3073 301
225 0203 MT-GLAZE 3.3K JA 1/16W...

[Page 17](#) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION R4101 301
257 4101 MT-GLAZE 100K DC 1/16W COMPL PWB,CA-4 R4102 301 262 0808 MT-GLAZE 18K DC
1/16W 613 220 2695 R4103 301 262 1003 MT-GLAZE 33K DC 1/16W R4106 301 226 1506 MT-
GLAZE 0.000 ZA 1/16W (SEMICONDUCTORS) R4107...

[Page 18](#) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION L6001 945
048 5757 IMPEDANCE,120 OHM P C6043 303 419 8903 CERAMIC 10U M 6.3V L6002 945 053
5476 IMPEDANCE,240 OHM P C6044 303 409 3406 CERAMIC 0.1U K 16V L6007 945 048 5757
IMPEDANCE,120 OHM P C6045 303 409 3406...

[Page 19](#) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION R3519 301
224 9009 MT-GLAZE 10K JA 1/16W R6088 301 226 1506 MT-GLAZE 0.000 ZA 1/16W R3520 301
226 1506 MT-GLAZE 0.000 ZA 1/16W R6089 301 225 1200 MT-GLAZE 4.7K JA 1/16W R3525 301
224 9306 MT-GLAZE...

[Page 20](#) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION C5309 303
308 3408 CERAMIC 390P K 50V COMPL PWB,CA-6 C5310 303 320 0706 CERAMIC 270P J 25V 613
220 2701 C5331 303 384 6409 CERAMIC 4.7U K 6.3V C5332 303 298 9602 CERAMIC 0.1U K 16V
(SEMICONDUCTORS)

[Page 21](#) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION CN532 645
099 3336 PLUG,PWB-PWB 20P (N.S.P) D4303 407 266 2104 DIODE SK34A D4311 408 064 9807
DIODE XBS104S13-R D4312 307 222 1007 ZENER DIODE UDZS4.3B D4313 408 064 9807
DIODE XBS104S13-R COMPL PWB,CA-8 (INDUCTORS) 613 220 2718...

[Page 22: Circuit Diagrams & Printed Wiring Boards](#)

CIRCUIT DIAGRAMS & PRINTED WIRING BOARDS TABLE OF CONTENTS OVERALL WIRING, BLOCK
DIAGRAM & CIRCUIT DIAGRAMS Page OVERALL WIRING OVERALL CIRCUIT BLOCK DIAGRAM CA-1
BOARD CMOS IMAGE SENSOR (CMOS) CA-2 BOARD (DM-A) SYSTEM ASIC CA-2 BOARD (PW-A)
POWER CA-2 BOARD (SY-A) SYSTEM CONTROL CA-3 BOARD CONTROL SWITCH (SW) CA-4
BOARD POWER (PW-1) CA-5 BOARD CODEC (DM-B)

[Page 23](#) NOTES: 1. All resistance values in "OHMS" unless otherwise noted. (K=1,000 ;
M=1,000,000) 2. All capacitance values in "µF" unless otherwise noted. p=pico farad ; n=nano
farad ; µ ,u or U=micro farad 3. All inductance values in "µH" unless otherwise noted. µ...

[Page 24: Overall Wiring, Block Diagram & Circuit Diagrams](#)

OVERALL WIRING, BLOCK DIAGRAM & CIRCUIT DIAGRAMS OVERALL WIRING CA-1 (CMOS) CA-2
CN101 CN952 CN301 (SY-A) ALIN1 ALIN1 FILTER B- ALIN2 ALIN2 FILTER B+ ALOUT1 ALOUT1
FILTER A+ ALOUT2 ALOUT2 FILTER A- 3.3V(MOB) 3.3V(MOB) CA-2 CN102 USB_VBUS USB_D-
USB_D+ VPIXCLK VPIXCLK CN303 CN302...

[Page 25: Overall Circuit Block Diagram C4](#)

OVERALL CIRCUIT BLOCK DIAGRAM CA-2 IC112 CN111 VIDEO SD OUT DRIVER USB D2+ USB D2-
CN102 CN106 ALARM IN/OUT RESET SW CA-3 CA-5 (DM-B) Z3501 IC104 IC108 (SW) BUS SW
X3501 ALARM IN/OUT IC352 32.768KHz RESET IC605, IC606 IC607 8bit MICRO- X3502 DDR2
NAND PROCESSOR...

[Page 26: Board Cmos Image Sensor \(Cmos\)](#)

CA-1 BOARD CMOS IMAGE SENSOR (CMOS) CN911 DGND DGND XCLR DGND SDIP7 SDIP7 SDIN7
SDIN7 SDIP6 SDIP6 SDIN6 SDIN6 SDIP5 SDIP5 SDIN5 SDIN5 TOUT7 SDIP4 SDIP4 M12 TOUT8
SDIN4 SDIN4 M13 NC SCKIP0 SCKIP0 M14 NC SCKIN0 SCKIN0 N1 NC VDDHPL SDIP3 SDIP3...

[Page 27: Board \(Dm-A\) System Asic](#)

CA-2 BOARD (DM-A) SYSTEM ASIC DM-A D1-40700/L5DB2-XE VOLTAGE: POWER ON C1114
A_VDD3 A_VDD3 IC112 BH76806FVM QBH76806FVM-J MON_SEL NVCC C1112 CN111 R1126
L1101 ASIC_CVBS_OUT R1103 UOUT 75;1/10J BK1608LL121 R1008 A_VDD1.8 0;1/16Z STBY
Vout SD OUT 0;1/16Z VOUT 1.8V(VDD) VA112 VIDEO AVR-M1608C270MTABB A_VDD1.2 SD OUT
L1004...

[Page 28](#) CA-2 BOARD (DM-A) SYSTEM ASIC [UPPER-LEFT] DM-A D1-40700/L5DB2-XE VOLTAGE: POWER ON R1008 A_VDD1.8 0;1/16Z 1.8V(VDD) A_VDD1.2 L1004 FBMH1608HL600 VDD1.2 TO PWA 1608 A_VDD3 TO PWA, SYA 3.3V(AL) L1003 Q1004 FBMH1608HL600 UPA650TT-A 1608 AD25 AC25 AL26 AJ17 AE25 AE24 AE14 AA21 AA18 AA17 AA14...

[Page 29](#) CA-2 BOARD (DM-A) SYSTEM ASIC [UPPER-RIGHT] C1114 A_VDD3 IC112 A_VDD3 BH76806FVM QBH76806FVM-J MON_SEL NVCC C1112 CN111 R1126 L1101 ASIC_CVBS_OUT R1103 75;1/10J BK1608LL121 UOUT_SD OUT 0;1/16Z STBY Vout VOUT VA112 VIDEO AVR-M1608C270MTABB SD OUT VAGND DRIVER R1123 R1102 18;1/16D VAGND VAGND VAGND 0;1/16Z...

[Page 30](#) IC101 TO CA-1 CN911 EV3HB CA-2 BOARD (DM-A) SYSTEM ASIC [LOWER-LEFT] QEV3HB-----N ZUSB_DET CN103 ZBOOT_COMREQ 12.0 16.0X16.0 IRIS12V IRIS12V ASIC_SDO TO PWA IRIS12V ASIC_SDI IRIS12V ASIC_SCK IRIS12V MRST 0.500000 3.3V(AL) 3.3V(AL) ZSREQ TO PWA, SYA 3.3V(AL) RESET(A) 3.3V(AL) INA+ 3.3V(AL) H=1.35 INA- INB+...

[Page 31](#) IC101 DQP25 DQP25 DQMP1 DQMP0 DQP26 DQP26 DAP5 DAP3 DQP27 DQP27 DQP7 VSSQ DQP28 DQP28 DQSP1 EV3HB DQSP0 DQS1 DQS0 DQP29 DQP29 DQP8 DQP30 VDDQ DQP30 CA-2 BOARD (DM-A) SYSTEM ASIC [LOWER-RIGHT] DQP5 DQP31 VDDQ DQP31 DQP9 DQP6 DAP0 DAP0 A_VDD3 DQP10 EV3HB-----N...

[Page 32: Board \(Pw-A\) Power](#)

CA-2 BOARD (PW-A) POWER 12.0 TO DMA TO DMA IRIS12V TO SYA 5.0V(AL) REG. IC526 MC78L12ABD F5201 QMC78L12ABD-G 2A32V VOUT C5207 R5219 0;1/16Z L5202 TO DMA VDD1.2 C5208 1AV4L2WN2R0MG 22;B 6.3 2125 C5202 0.1;B R5203 PVIN1 PGND1 1K;1/16J CN521 51K;1/16D ISET SYNC/EN C5204...

[Page 33: Board \(Sy-A\) System Control](#)

CA-2 BOARD (SY-A) SYSTEM CONTROL R3034 0;1/8Z TO PWA, DMA 3.3V(AL) SY-A ZSREQ ZBOOT_COMREQ Y1-40700/L5DB2-XE TO DMA VOLTAGE: POWER ON R3043 47K;1/16J R3003 0;1/16Z 5.0V(AL) IC304 R3089 LB1906CL-TLM QLB1906CL-E-J 100K;1/16J R3004 0;1/16Z R3038 OUT4 47K;1/16J R3005 0;1/16Z CN301 OUT3 R3006 0;1/16Z OUT1 R3007...

[Page 34: Board Control Switch \(Sw\)](#)

CA-3 BOARD CONTROL SWITCH (SW) CN955 CA-3 C3-40700/L5DB2-XE CN954 RB951 USBD1- USBD1- USBD1+ USBD1+ DN JPEG_2M DN JPEG_2M CN952 AL_IN1 ALIN1 AL_IN2 ALIN2 ALOUT1 AL_OUT1 ALOUT2 AL_OUT2 3.3V(MOB) ABF- ABF+ VPXCLK VPXCLK VPXCLK VPXCLK TX1D(A) TX1D(A) LEFT RIGHT DOWN RX1D(A) RX1D(A) MENU AL_OUT2 AL_OUT2 AL_OUT1...

[Page 35: Board Power \(Pw-1\)](#)

CA-4 BOARD POWER (PW-1) CA-4 L4001 D4001 FBMH3225HM102N C4-40700/L5DB2-XE SJPB-L6 VOLTAGE: POWER ON F4001 D4002 RF071M2S D4083 3.5A125V PS2701A-1-F3 POWER IN R4420 D4003 0;1/16Z RF071M2S POWER_FAIL AC24V/DC12V+ L4002 D4004 FBMH3225HM102N SJPB-L6 AC24V/DC12V- IC401 CN401 XC61CN1502N VOUT QXC61CN1502NP REG. D4403 CN441 100K;1/16J R4144 SJPB-H9...

[Page 36: Board Codec \(Dm-B\)](#)

CA-5 BOARD CODEC (DM-B) CA-5 C5-40700/L5DB2-XE VOLTAGE: POWER ON CN603 L6201 L6205 BK1608LM252 BLM18PG121SN1 MIC_IN MIC_IN 3.3V(MOB) 3.3V(MOB) 5.0V(AL) 3.3V(MOB) R6212 R6209 0;1/16Z A_MCLK Q6202 0;1/16Z DTC114EUA L6202 BK1608LM252 AUDIO_OUT AUDIO OUT C6204 L6203 10;B 0;1/16Z BLM18PG121SN1 A_BCK SVSS R6202 C6205 BICK 0.1;B...

[Page 37](#) CA-5 BOARD CODEC (DM-B) [UPPER-LEFT] CA-5 C5-40700/L5DB2-XE VOLTAGE: POWER ON L6205 BLM18PG121SN1 3.3V(MOB) 3.3V(MOB) 5.0V(AL) 3.3V(MOB) R6209 A_MCLK Q6202 DTC114EUA 0;1/16Z C6204 10;B L6203 BLM18PG121SN1 A_BCK 0;1/16Z SVSS R6202 C6205 BICK A_LRCLK 0.1;B R6203 SVDD Q6201 560;1/16J A_IDAT DTC343TK IC621 AOUT SDTO R6205...

[Page 38](#) CA-5 BOARD CODEC (DM-B) [UPPER-RIGHT] CN603 L6201 L6205 BK1608LM252 BLM18PG121SN1 MIC_IN MIC_IN 3.3V(MOB) 3.3V(MOB) 5.0V(AL) 3.3V(MOB) R6212 R6209 0;1/16Z A_MCLK Q6202 DTC114EUA 0;1/16Z L6202 BK1608LM252 AUDIO_OUT AUDIO OUT C6204 10;B L6203 BLM18PG121SN1 A_BCK 0;1/16Z SVSS R6202 C6205 BICK A_LRCLK

ETH_TXER ETH_TXER 0.1;B R6203...

[Page 39](#) BK1005LL241 ETH_MDCLK ETH_MDCLK VID01_MSS HOST_GND DDR_VDD
DN JPEG_2M R6121 33;1/16J ETH_CRS Y7_MOB ETH_CRS R6039 0;1/16Z R6125 R6126 L6017
VID0_D7_HOST_GND DDR_VDD L6007 R6122 33;1/16J ETH_COL 0;1/16Z 1K;1/16D
BLM18PG121SN1 ETH_COL Y6_MOB R6040 0;1/16Z BLM18PG121SN1 VID0_D6 HOST_GND
DDR_VDD 1.8V Y7_MOB 1.0V(MOB) DDR_WEn Y5_MOB R6041 0;1/16Z DDR_WEn...

[Page 40](#) BK1005LL241 ETH_MDCLK ETH_MDCLK HOST_GND DDR_VDD R6121 33;1/16J
ETH_CRS ETH_CRS R6125 R6126 L6017 HOST_GND DDR_VDD L6007 R6122 33;1/16J ETH_COL
0;1/16Z 1K;1/16D BLM18PG121SN1 ETH_COL BLM18PG121SN1 HOST_GND DDR_VDD
1.8V(MOB) 1.0V(MOB) DDR_WEn DDR_WEn L6008 HOST_GND DDR_VDD 3.3V(MOB) DDR_VREF
HOST_GND BLM18PG121SN1 DDR_RASn DDR_RASn HOST_GND DDR_GND CA-5 BOARD CODEC
(DM-B) [LOWER-RIGHT] DDR_DQS0n 0.1;B...

[Page 41: Board Ethernet & Power \(Pw-B\)](#)

CA-6 BOARD ETHERNET & POWER (PW-B) T6801 SI-52008-F R6801 C6804 49.9;1/16F 10;B
YELLOW R6802 49.9;1/16F CA-6 GREEN L6801 DLP11SN900SL2 X6851 1CT:1CT 25.000MHz
L6802 C6-40700/L5DB2-XE R6803 49.9;1/16F DLP11SN900SL2 VOLTAGE: POWER ON D6803
R6804 RSBC6.8CS 49.9;1/16F R6862 1CT:1CT 1M;1/16J D6804 RSBC6.8CS R6806 F5301
10;1/10D 2A32V...

[Page 42: Board Iris Driver \(Iris\)](#)

CA-8 BOARD IRIS DRIVER (IRIS) CA-8 CN973 IRIS12V IRIS12V C8-40700/L5DB2-XE IRIS12V
VOLTAGE: POWER ON IRIS12V 3.3V(AL) Q9704 2SC5658-R R9710 3.3V(AL) 1K;1/16J 3.3V(AL)
Q9702 R9712 R9715 2SA2029-R 4.7K;1/16J 27K;1/16J 3.3V(AL) R9701 CN972 IRIS_VCA 0;1/16Z
IC971 R9719 L9701 Q9705 UPC358GR-9LG-E1 330;1/10J BLM11B102SPT 2SC2412K-R IRIS_REF
0;1/16Z...

[Page 43: Board Power \(Pw-C\)](#)

CA-9 BOARD POWER (PW-C) CA-9 C9-40700/L5DB2-XE CN421 VOLTAGE: POWER ON 3.3V(AL)
3.3V(AL) 3.3V(AL) 3.3V(AL) 15V(AL) 6.5V(AL) 15V(AL) CN422 L4201 6.5V(AL) FBMH1608HM221
3.3V(AL) 6.5V(AL) 6.5V(AL) 5.0V(AL) 5.0V(AL) 6.5V(AL) 5.0V(AL) 3.3V(AL) 5.0V(AL) C4209
3.3V(AL) R4206 0.22;B 5.0V(AL) 3.3V(AL) 330;1/16J 3.3V(AL) 15V(AL) 15V(AL) 15V(AL) TO CA-2
(PW-A) QTA76432FC--G...

[Page 44: Printed Wiring Boards \(P.w.b.\)](#)

PRINTED WIRING BOARDS (P.W.B.) CA-1 P.W.B. (SIDE A) CA-1 P.W.B. (SIDE B) C9124 C9106
C9109 C9105 C9113 R9102 C9131 CA-2 P.W.B. (SIDE A) CA-2 P.W.B. (SIDE B) L1082 CN106
R1081 CL310 CN111 S3008 VA102 Q1081 C1082 L1101 VA112 R1084 R1085 IC112 C1081
R1126...

[Page 45](#) CA-3 P.W.B. (SIDE A) CA-3 P.W.B. (SIDE B) 1AC4B10H3400CC 1AC4B10H3400CC
R9501 PWB,CA3 D9502 SIDE-B CN955 PWB,CA3 S9501 S9502 S9503 S9504 CN956 CN954
CN952 CA-4 P.W.B. (SIDE A) CA-4 P.W.B. (SIDE B) R4107 C4105 R4128 C4111 D4114 D4111
R4108 R4112 R4113 1AC4B10H3500BA R4106 R4115...

[Page 46](#) CA-5 P.W.B. (SIDE A) CA-5 P.W.B. (SIDE B) 1AC4B10H3400BC CL354 PWB,CA5 CL356
PWB,CA5 CL356 CL354 Z3501 IC752 CL358 CL352 CL358 R3542 C6071 C6080 Z3501 R3530
SIDE-A R6132 C3513 C6072 C3512 R3529 R3531 R3535 C3511 R6128 R6016 R3538 CL361
C6070 R3534 R3507 Q601 R6050...

[Page 47](#) CA-6 P.W.B. (SIDE B) CA-6 P.W.B. (SIDE A) 1AC4B10H3500CA CL2001 JK201 D6805
JK202 CL2002 D6805 R6807 L2001 C2001 D6805 T6801 C2002 T6801 JK201 JK202 SIDE-A
PWB,CA6 C6803 SIDE-B IC201 D6803 D6804 R6805 D6801 D6802 R6806 R5309 R5304 IC531
C5307 R6802 R6804 C5303 T6801...

[Page 48](#) CA-9 P.W.B. (SIDE A) CA-9 P.W.B. (SIDE B) D4313 R4308 R4304 1AC4B10H3500EA
R4309 R4305 R4310 R4306 R4313 R4314 R4315 R4311 R4307 R4316 C4306 IC431 R4312
R4318 C4213 R4217 R4207 R4209 R4208 C4210 R4210 IC422 R4214 R4205 CN422 CN422...

[Page 50](#) SANYO Electric Co., Ltd. Osaka, Japan Oct./'09...

This manual is also suitable for:

Vcc-hd2500