OWNER'S MANUAL PLEASE READ CAREFULLY BEFORE

USING AND KEEP IN A SAFE PLACE.



7" DIGITAL TFT LCD COLOR ALL ROUND VISION MONITOR

(MULTIPLE DISPLAY MODE)



Model: SV-LCD70A

Design and Specifications are subject to change without notice.

OWNER'S RECORD

The model and serial numbers are located on the rear of the unit. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your dealer regarding this product.

| Model No. | SV-LCD70A |
|------------|-----------|
| Serial No. | |

WARNING

To avoid electric shock, do not open the cabinet. Refer servicing to qualified personnel only.





This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance(servicing) instructions in the literature accompanying the appliance.



You are cautioned that any changes or modifications which is not expressed or approved in this manual could void your warranty and cause the equipment to malfunction.

SUGGESTIONS

7" DIGITAL TFT LCD COLOR ALL ROUND VISION MONITOR



Use only DC 10V ~ DC 32V.

If liquid or dust leaks into the case, turn off power to the unit and consult an experienced technician before using.

Installation

Do not install the units in an extremely hot or humid place (radiator, air duct, etc.) or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock. If your vehicle has been parked in direct sun light resulting in a considerable rise in temperature inside the vehicle, allow the unit to cool off before operating.

3 General cleaning information

Clean the unit with a slightly damp soft cloth. Use a mild household detergent. Never use strong solvents such as thinner or benzene as they might damage the finish of the unit.

FEATURES

SV-LCD70A (7" Digital TFT LCD Monitor)is especially designed as automotive all round vision system.

- High Resolution 7"Digital TFT LCD Panel
- Free Input Voltage (DC 10V~DC 32V)
- NTSC / PAL Compatibility
- 4 Camera Inputs (4-pin mini DIN)
- 1 A/V Input (RCA, For optional navigation or other external device)
- 1 A/V Output(RCA, For recording purpose or a second monitor)
- Multiple Display Mode (SPLIT2), Triple(SPLIT3), Quad(SPLIT4)
- Automatic Picture Display (5Triggering Functions)
- Day/Night sensor (CDS) for automatic day/night settings
- Individual settings of AUX-channel and camera channels
- OSD(On Screen Display)
- Auto Scanning Function
- Built-in Speaker

PACKAGE CONTENTS

Please check that you have the correct contents before using this product. If any items are missing, please contact your dealer.







SV-70A MONITOR

SUN VISOR

STAND BRACKET





SCREW KITS

CABLE REINFORCEMENT



INSTRUCTION MANUAL



CONTROL BOX



POWER CORD



1 POWER (ON/OFF) 🕲

STAND-BY mode

- 1. When RED LED is turned on, it indicates the power is applied and it is on stand/by mode.
- 2. The monitor is not turned off until the ignition key is at off position.

POWER-ON mode

- 1. Press 🕲 to turn the monitor on.
- 2. Press 🛞 to turn the monitor into stand-by.
- **NOTE** The monitor can also be switched on automatically using a TRIGGER signal; For more information, see TRIGGER setting in the MAIN MENU.

2 -/+ ⊙⊙

- Use
 ⊕
 ⊕
 ⊕ to adjust speaker volume.
- 1. Press 🕞 to decrease speaker volume.
- 2. Press 🕀 to decrease speaker volume.
- Use 🕞 🕑 to select the content in menu setting mode.

3 UP/DOWN P

- Use () to adjust TILT camera position.
- 1. Press 💮 to adjust TILT camera position upward.
- 2. Press 💿 to adjust TILT camera position downward.
- * Available only when TILT camera is connected with TILT.MT setting on menu.
- Use (b) (c) to search the lists in menu setting mode.

4 SOURCE

Use I to select the display image.

 $(CAM1 \rightarrow CAM2 \rightarrow CAM3 \rightarrow CAM4 \rightarrow AUX \rightarrow SPLIT2 \rightarrow SPLIT3 \rightarrow SPLIT4)$ The OSD indicates which image is displayed on the screen.

5 MENU

- 1. Press the length to enter the Display Menu, press and hold the length to enter the Main Menu.
- 2. Press once to enter menu mode. Press again to exit from menu mode.

O DAY/NIGHT SENSOR

Automatic Brightness Setting

Automatically adjusts the brightness of the image to the lighting conditions in the immediate vicinity of the monitor.

The built-in Day/Night sensor on the front of the SV-LCD70A monitor captures the light and activates the day/night mode.

The sensitivity of the Day/Night sensor is adjustable.

For more information, see "DAY/NIGHT SETTING" in MAIN MENU.



Press and hold (over 2 seconds) to enter the MAIN MENU. Selectable OSD MENU disappears within 7 sec if there is no new button pressed.







CAMERA SETTING

| 1. CAMERA SETTING | | |
|------------------------------|--|--|
| CAM1 CAM2 CAM3 CAM4 | NOR/MIR: [MIRROR;NORMAL] NAME:[CAM1] SORT: [NORMAL;SHUTTER; TILT.MT; TILT.AT] | |

NOTE 1. CAM4 is only available with NORMAL CAMERA.

 Tilt.AT (Automatic Tilt): When trigger is activated, Tilt CAM automatically turns to downward(-40°). When trigger is off ,Tilt CAM automatically turns to upward(0°).
 Tilt.MT (Manual Tilt): When trigger is activated, Tilt cam turns to the last set position.

4. User can adjust tilt angle manually only in TILT.MT mode () ().

• NOR/MIR: [MIRROR;NORMAL]

Each camera's Normal/Mirror view can be selected.



• NAME:[CAM1___]

Camera name can be set.

SORT:[NORMAL;SHUTTER;TILT.MT;TILT.AT]

A sort of camera can be selected.

(NORMAL;SHUTTER;TILT.MT;TILT.AT).

NOTE A wrong selection can cause damage to a camera or to the SV-LCD70A.





- 1. User can use 5 triggers and each trigger source(CAM1~SPLIT4) can be selected.
- 2. When the trigger is activated, the selected source's image is displayed.
- 3. The Triggers have a priority difference according to the following order:

Trigger1 -> Trigger2 -> Trigger3 -> Trigger4 -> Trigger5 -> Speed switch Trigger1 has highest priority; Speed switch has lowest priority.

• DELAY: [0~20 sec]

Each trigger's delay time is adjustable from 0 sec to 20 sec.

NOTE If one camera is activated by an intermittent 12/24VDC signal (e.g. from an indicator light) it must be delayed to prevent the picture from flickering.

MARKER:[ON;OFF]

1. ON/OFF setting for distance marker when any trigger is engaged.





SPLIT2~SPLIT4 UP/DN SPLIT2
SPLIT2
SOURCE1:[CAM1~CAM4] SOURCE2:[CAM1~CAM4] AUDIO:[CAM1~CAM4]

Selecting

Shifting

SPLIT3

SOURCE1:[CAM1~CAM4] SOURCE2:[CAM1~CAM4] SOURCE3:[CAM1~CAM4;OFF] AUDIO:[CAM1~CAM4]

Exit

| • SPLI14 | |
|---|---|
| SPLIT4 | |
| SOURCE1:[CAM1~(SOURCE2:[CAM1~(SOURCE3:[CAM1~C SOURCE4:[CAM1~C AUDIO:[CAM1~CAM | CAM4] CAM4] :AM4;OFF] :AM4;OFF] 14] |
| UP / DN | - / + MENU |

A DAY/NIGHT SETTING

User can adjust the sensitivity of DAY/NIGHT SENSOR.

4. DAY/NIGHT SETTING

SENSOR:[ON;OFF] SENSITIVITY:[0~60] NIGHT BRIGHT:[0~60]

SENSOR:[ON;OFF]

Select Sensor ON/OFF.

SENSITIVITY:[0~60]

Adjust the sensitivity of DAY/NIGHT LEVEL; the higher value expedites the night mode activation.

• NIGHT BRIGHT:[0~60]

Adjust the BRIGHTNESS LEVEL.







be initialized.

INSTALLATION

1 DASH BOARD → SCREW → MONITOR

• STAND BRACKET











② SUNVISOR → MONITOR



SYSTEM CONNECTIONS



POWER/TRIGGER WIRE FUNCTIONS

| REF# | WIRE COLOR | DESCRIPTION |
|------|------------|------------------------|
| 1 | RED | POWER IN DC(10 to 32V) |
| 2 | BLACK | GROUND |
| 3 | GREEN | TRIGGER1 |
| 4 | WHITE | TRIGGER2 |
| 5 | BLUE | TRIGGER3 |
| 6 | YELLOW | TRIGGER4 |
| 7 | BROWN | TRIGGER5 |
| 8 | | N.C |

SPECIFICATIONS

Model: SV-LCD70A Power Input DC 12V (from control box) Video System NTSC / PAL compatible Panel 7" Digital Backlight $LED(400 \text{ cd}/\text{ m}^2)$ Resolution 800 X 3(RGB) X 480 **Viewing Angle** Top:50°, Bottom:70°, Left: 70°, Right:70° Format 16:9 wide **Display Mode** Single/Split/Triple/Quad Operating Temp. -25°C ~ +75°C (-13°F ~ 167°F) Storage Temp. -30°C ~ +85°C (-22°F ~ 185°F) 5 G Vibration OSD Control Day & Night Sensor, Bright, Contrast, Color, Tint(NTSC) Mirror/Normal, Day/Night Mode/Parking Guide *Separate setting for CAM and AUX Channel. OSD language option Multilingual Dimension 197(W) X 138(H) X 32(D) mm 7.8(W) X 5.4(H) X 1.3(D) inch Weight Approx. 0.6 Kg Power cable (2M) (1) Supplied acc'y Sun Visor (1)

Mounting bracket Cable Reinforcement

Instruction Manual

Screw kit

(1)

(2)

(1)

(1)

THIS SYMBOL MEANS DO NOT DISPOSE OF AS MUNICIPAL WASTE. RE-USE OR RECYCLE WHEREVER POSSIBLE. ELECTRICAL / ELECTRONIC COMPONENTS MAY CONTAIN SUBSTANCES WHICH ARE HARMFUL TO THE ENVIRONMENT. FOR ENVIRONMENTALLY SOUND METHODS OF DISPOSAL, PLEASE CONTACT YOUR LOCAL GOVERNMENT AUTHORITY.

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