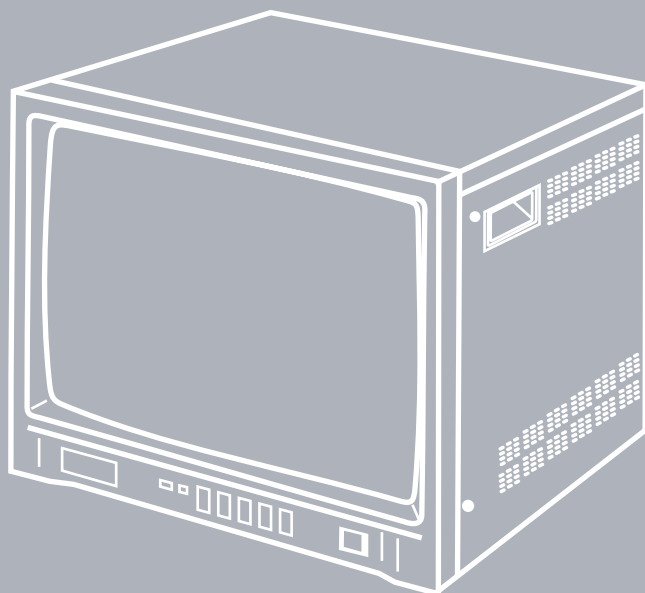


SecurityMan®



SM-140SD

**14" CCTV digital color monitor (CRT)
User Manual**

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FCC Information

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

Operation of this equipment in a residential area is likely to cause interference in which case the user at his or her own risk and expense will be required to correct the interference.

Declaration of Conformity

SecurityMan declares that the SM-140SD conforms to the following standards, in accordance with the provisions of the EC Directive 89/366/EEC: EN 55022 (CISPR 22:1985), Class A.

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SecurityMan Inc., warrants that this product will be free from defects in title, materials and manufacturing workmanship for one year from the date of the purchase. If the product is found to be defective then, as your sole remedy and as the manufacturer's only obligation, SecurityMan will repair or replace the product.

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For Customer Service: 888-977-3777

SecurityMan

15861 Tapia Street, Irwindale, CA 91706, USA

Tel: 888-977-3777 Tel: 626-338-2028 Fax: 626-338-3585

Email: info@securitymaninc.com

Website: <http://www.securitymaninc.com>

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CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Explanation of Graphical Symbols



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



The lightning flash with arrowhead symbol, within an equilateral triangle 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 a risk of electric shock.

Warning - To prevent fire or shock hazard, DO NOT expose this monitor to rain or moisture.

This product must be grounded.

Product specification is subject to change without notice.

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Important Safeguards

Caution

Power source is dedicated on the back of the set. It contains high voltage parts, if the cover is removed, it may cause fire or electric shock. Do not remove the cover by yourself.

1) Read instructions:

All the safety and operating instructions should be read before the appliance is operated.

2) Follow instructions:

All installation and operating instructions should be followed.

3) Accessories:

Do not place this monitor on an unstable stand, tripod, bracket, or table. The monitor may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by supplier, or sold with the monitor.

4) Cleaning:

Unplug this monitor from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

5) Water and Moisture:

Do not use this monitor near water, for example, near a bathtub, wash bowl, kitchen sink, laundry tub, in a wet basement, near a swimming pool, etc...

6) Ventilation:

Slots and openings in the cabinet are provided for ventilation and ensure reliable operations of the monitor and protect it from overheating. These openings should never be blocked by placing the monitor on a bed, sofa, rug, or other similar surfaces. This monitor should never be placed near or over a radiator or heat register. This monitor should not be placed in an enclosed area such as a bookcase or rack unless proper ventilation is provided or supplier instructions have been adhered to.

7) Object and Liquid Entry:

Never push objects of any kind into this monitor through openings as they may touch dangerous voltage points or short-circuit parts that would result in a fire or electric shock. Never spill liquid of any kind on the monitor.

8) Repair (Servicing):

Do not attempt to repair this monitor yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer to qualified service personnel.

9) Replacement Parts:

When replacement parts are required, be sure the service technician uses replacement parts specified by supplier or have the same characteristics as the original parts. Unauthorized substitutions may result in fire, electric shock, or other hazards.

10) Safety Check:

Upon completion of any service or repair to this monitor, ask the service technician to perform safety checks to determine that the monitor is in proper operating condition.

11) Retain Instructions:

The safety and operating instructions should be retained for future reference.

General

Scope

1) The information in this instruction manual covers installation and operations of the Color Monitor.

2) These units should be installed with approved materials and wiring practices in accordance with the National Electrical Code and applicable local wiring ordinances.

Introduction

1) The Color Monitor, having a resolution of more than 450/500 lines (NTSC) or 520/600 lines (PAL), produces high quality pictures on a 14" screen. Designed primarily for industrial applications, this monitor accepts standard EIA color input signals.

2) The menu's picture settings include: Contrast, Bright, Color, Tint, Sharp, B.B.

Features

- 14" High Quality Pictures
- High Resolution NTSC 450 lines / PAL 520 lines
- 1 Channel Video Input/Output
- 1 Channel Audio Input/Output
- Worldwide Multiple System (NTSC/PAL)
- On screen digital (OSD) control buttons

Specifications

CRT

Video Input /Output
Audio Input /Output
Control Front

Power Source

Power Consumption

Resolution

Video System

Horizontal Stabilization

Vertical Stabilization

Audio Frequency

Operating Temperature

Operating Humidity

Weight

Dimensions (WxHxD)

14" CRT

1 Channel (BNC interface) input/output.

1 Channel RCA input/output

Menu (Contrast, Bright, Color, Tint, Sharp, B.B), Adjust, Select, and Power switch.

Control Range of Main Section 100V ~ 230VAC
Indicated on the back of the Monitor.

Max: 60W

Max: NTSC 450 lines / PAL 520 lines

Worldwide Multiple System (NTSC/PAL)

15.625 KHz +/- 500 Hz

50 Hz/60Hz +/- 3 Hz

Max: 1.0W

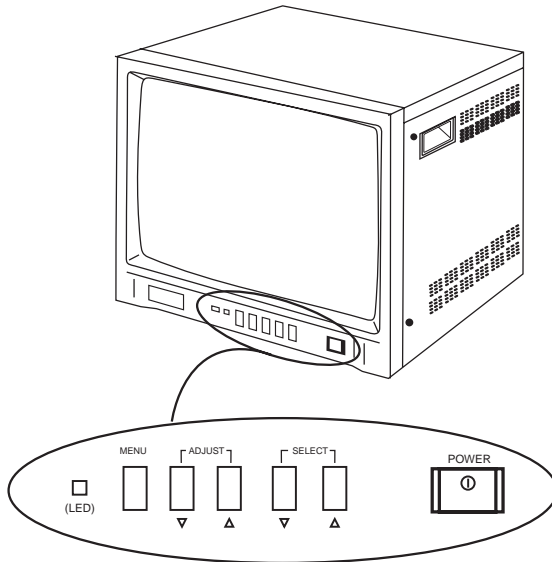
0°C ~ 40°C

10 ~ 90%

12Kg

14.5" x 13.5" x 15.4" (367mm x 342mm x 392mm)

Front panel components and controls



Power Switch

On/Off Switch. If you press this switch, the monitor will turn on and a green LED will show.



Menu Selection Buttons

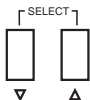
Press this button to access the PICTURE settings menu.



Adjusting Volume Buttons

These two buttons have a dual capability.

- Adjust Volume.
- In the menu mode, to select setting value.



Picture Setting Selection Buttons

Press these buttons to choose which setting to modify.

- 1) Press the MENU button to select Menu mode.
- 2) Press the Δ SELECT or ∇ SELECT button to select the setting.
- 3) Press the Δ ADJUST or ∇ ADJUST button to adjust its parameter.

Settings range in each Menu

Menu	Settings range	Explanation
Contrast	0 ~ 100	To select a specific Contrast level within the setting range
Bright	0 ~ 100	To select a specific Brightness level within the setting range
Color	0 ~ 100	To select a specific Color level within the setting range
Tint	-50 ~ +50	To select a specific Tint level within the setting range (Effective on System of NTSC)
Sharp	0 ~ 100	To select a specific Sharpness level within the setting range
B.B	ON / OFF	Select from a black or blue background (no video input and B.B off will produce black background)
Volume	0 ~ 100	To select a specific Volume within the setting range

Exiting From Menu Mode

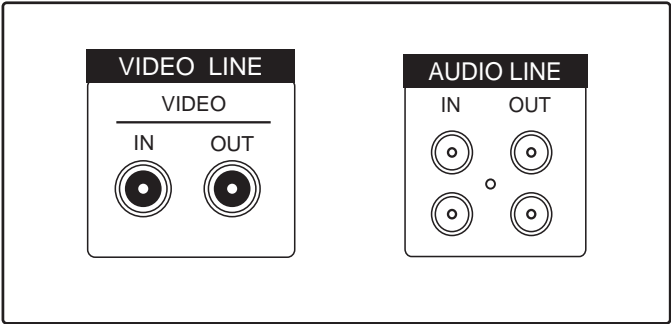
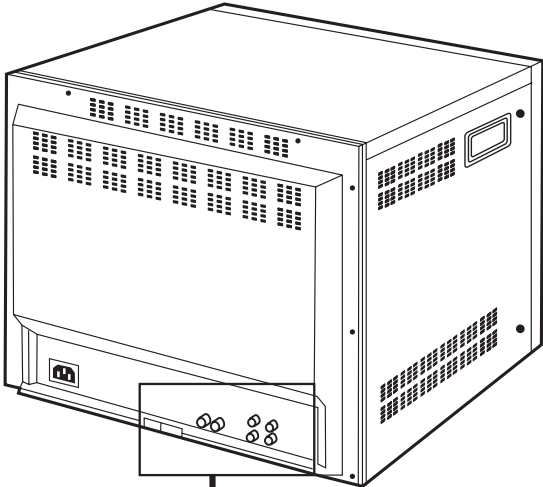
After 10 seconds of no button activity in Menu mode, the Menu mode will close.

Adjusting Volume

1) Press ▽ ADJUST button to turn the volume down. Press the △ ADJUST button to turn the volume up.

2) After 4 seconds of no button activity with the volume bar displayed, the volume bar will close, and save the change.

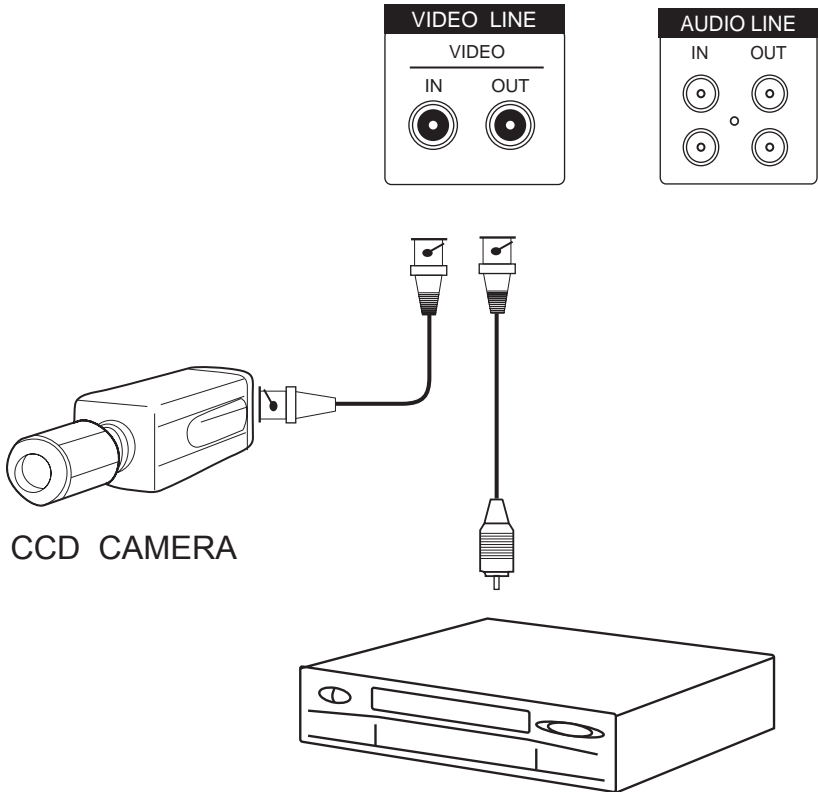
Back panel components and controls



VIDEO LINE
Video input/output

AUDIO LINE
Audio input/output

Connection



Maintenance

If the quality of the picture on the COLOR MONITOR is poor and cannot be improved, inspect all system connections and cable runs. Repair should be performed by a qualified technician with adequate test equipment and facilities.

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