



THE DISPLAY CHOICE
OF PROFESSIONALS™

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SC-Series Security LCD Display
User Manual

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FCC INFORMATION

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Shielded interface cables and A.C. power cord, if any, must be used in order to comply with emission limits.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

SAFETY PRECAUTIONS

1. Do not modify the three-prong grounding type monitor power plug in any way.
2. Operate this unit only from the type of power source indicated on the label.
3. Do not block or cover ventilation openings on the back or bottom of the monitor cabinet.
4. Do not place this monitor near a radiator or heating vent.
5. Do not push objects of any kind through cabinet openings. This may result in fire or electrical shock.
6. Before adding attachments always ask a service technician to perform routine safety tests to determine that equipment is in safe operating condition. Ground potential tests should be part of the routine safety check made by the service technician.
7. Do not place monitor on an unstable cart, stand, or shelf where it may fall and injure personnel or damage equipment.
8. Route power cords so that they cannot be walked upon or tripped over. Do not allow anything to rest on the power cord.
9. Do not install monitor in wet areas, or where it may be exposed to rain or water. Do not spill liquid of any kind on the unit.
10. Unplug the power cord from the unit before cleaning the display. Use only a damp cloth. Do not use alcohol, spirits, or ammonia to clean the display.
DO NOT ATTEMPT TO CLEAN THE INTERIOR OF THIS UNIT- THIS ACTION MUST BE PERFORMED BY THE SERVICE TECHNICIAN AS REQUIRED DURING NORMAL MAINTENANCE.
11. Refer all servicing to qualified service personnel. **REMOVAL OF BACK COVER BY UNAUTHORIZED PERSONNEL MAY EXPOSE THE USER TO DANGEROUS VOLTAGES OR OTHER HAZARDS.**
12. Unplug the unit immediately and notify the service technician.
 - A. If liquid has been spilled into the display or the display has been exposed to rain or water.
 - B. If the unit has been dropped or the cabinet damaged.
 - C. If fuses continue to blow.
 - D. If the power cord is damaged or frayed.
 - E. If a distinct change from normal operation is apparent.

When replacement parts are required, be sure that the service technician uses components specified by the manufacturer which have the same characteristics as the original parts. **UNAUTHORIZED SUBSTITUTIONS MAY RESULT IN FIRE, ELECTRICAL SHOCK OR OTHER HAZARDS.**

Upon completion of any service or repairs, ask the technician to perform safety checks to determine that the equipment is in safe operating condition.

WARNING: SERIOUS SHOCK HAZARDS EXIST WITHIN THE COVERS OF THIS MONITOR. DO NOT OPEN THE COVERS UNDER ANY CIRCUMSTANCES, THERE ARE NO USER SERVICEABLE COMPONENTS INSIDE

1. GENERAL FEATURES

This is a high performance TFT LCD monitor with up to 1280X1024 SXGA resolutions. The LCD monitor has been designed for use with both PC and Video, complying with the power management regulations of VESA DPMS, supported by Plug & Play and complying with EDID.

FEATURES
100~240V AC Power Input
Power Adapter: 12V DC , 4.16A
NTSC/PAL Auto-Detection
High Resolution
PC Input
Video Input & output
Audio Input
OSD With Multiple Languages

2. SET UP

Read this chapter for important safety information and how to set up and connect the display to your computer or camera.

- Check the accessories in the box. There is power cord, power adapter user's manual, audio cable and D-Sub cable.
- Make sure the surface for placing the LCD monitor is stable and level.
- Keep the monitor away from sources of liquids and moisture.
- Keep the monitor's vents free from obstruction.
- If you will not be using the monitor and computer for a day or more, Please turn off both devices.

2.1 CONNECT THE MONITOR TO YOUR COMPUTER

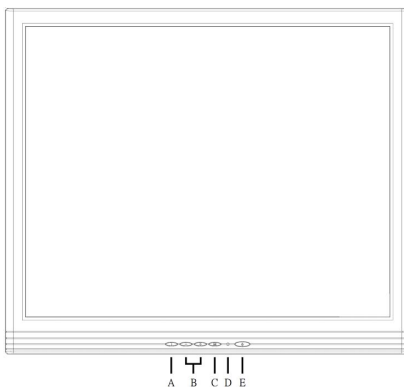
- Make sure the computer is turned off.
- Plug in the monitor.
- Connect the VGA cable from the computer to the monitor.
- Turn on the computer.
- Push the power button in front of the monitor.
- Push the Channel select button to display Analogue input signal.

2.2 CONNECT THE MONITOR TO THE VIDEO SOURCE

- Plug in the monitor.
- Connect the video signal to the monitor.
- Push the power button in front of the monitor.
- Push the Channel select button to display video input signal.

3. CONTROLS AND INDICATORS

3.1 FRONT PANEL



A. CHANNEL SELECT INPUT / AUTO-ADJ / EXIT BUTTON

- Press the button to display the input signal.
- Press the button for 2 second to do auto adjust function.
- Press the button to exit OSD menu.

B. UP(+), DOWN(-) BUTTONS

- Press UP(+)/ DOWN(-) buttons to select the adjusted item.

C. MENU BUTTON

- Press the button to enter to the main OSD menu.
- As a confirmation key during the OSD operation.

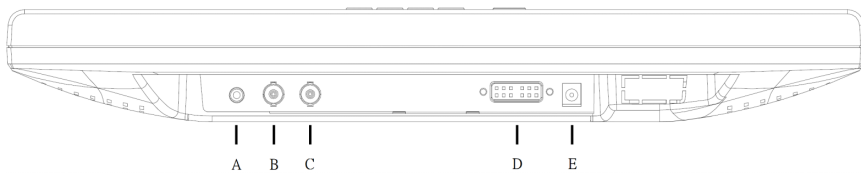
D. POWER LED identification

- Green- Power on
- Off- Power off
- Orange- Stand by
- Flash Orange- Sleep mode

E. POWER BUTTON

- Press the button to turn on or turn off the monitor.

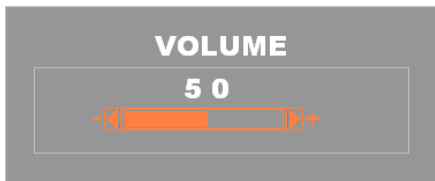
3.2 I/O CONNECTORS



- A. AUDIO input
- B. CVBS output
- C. CVBS input
- D. DVI-I (PC) input
- E. DC 12V input

4. ON SCREEN DISPLAY (OSD)

VOLUME : Press - or + button to select the function and then press - or + buttons to adjust the volume value · press **CH** button to exit the OSD.



KEY LOCK : Press **MENU** button + **CHANNEL** button + **POWER** button Simultaneously for 2.5 sec to enter to key Lock function. (Note: Always Press MENU Key first)

(In no signal mode the Key Lock function is invalid)



KEY UNLOCK : Press **MENU** button + **CHANNEL** button + **POWER** button Simultaneously for 2.5 sec to enter to key Unlock function. (Note: Always Press MENU Key first)



AUTO ADJUST : On VGA mode Press **CH** button for 2 sec to enter to Auto Adjust function.



PC mode OSD :

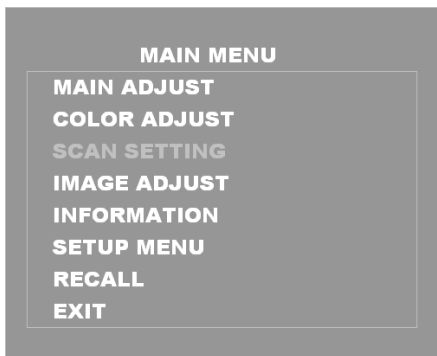
MAIN ADJUST, COLOR ADJUST, IMAGE ADJUST, INFORMATION, SETUP MENU,
RECALL, EXIT

MAIN MENU:

Press **MENU** button to enter to **MAIN MENU**.

Press **MENU** to confirm the selection.

Press **CH** button exit **MAIN MENU**.



MAIN ADJUST:

MAIN ADJUST	
BRIGHTNESS	5 0
CONTRAST	5 0
SHARPNESS	2
SATURATION	5 0
TINT	5 0
VOLUME	5 0
EXIT	

1. Press **MENU** button to enter the selection
2. Press - or + button to adjust the value.
3. Press **CH** to leave the selection

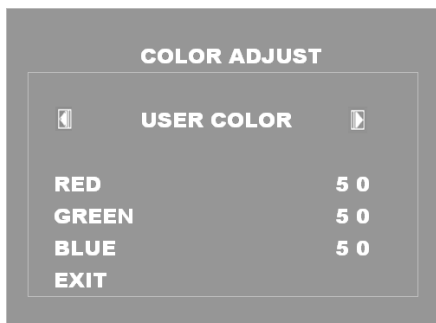
BRIGHTNESS : Adjust the brightness value.

CONTRAST : Adjust the contrast value.

VOLUME : Adjust the volume value.

EXIT : Leave the selection.

COLOR ADJUST : Select the color temperature for the CIE coordinate 9300°k or 6500°k or USER COLOR Mode.



1. Press **MENU** button to enter the selection.
2. Press **-** or **+** button to select the color temperature.
3. Press **CH** to leave the selection.

6500/9300/USER COLOR : Adjust the color temperature.

RED : Adjust the RED value for user mode.

GREEN : Adjust the GREEN value for user mode.

BLUE : Adjust the BLUE value for user mode.

EXIT : Leave the selection

IMAGE ADJUST :

IMAGE ADJUST	
AUTO ADJUST	
H. POSITION	5 0
V. POSITION	5 0
PHASE	1 0 0
CLOCK	5 0
EXIT	

1. Press **MENU** button to enter the selection.
2. Press **-** or **+** button to adjust the value.
3. Press **CH** button to leave the selection.

AUTO ADJUST : Auto adjust the H.Position , V.Position , Phase and Clock.

H. POSITION : Adjust the horizontal position value.

V. POSITION : Adjust the vertical position value.

PHASE : Adjust the phase value.

CLOCK : Adjust the clock value.

EXIT : Leave the selection

INFORMATION : Display the VGA timing and F.W version information.

INFORMATION	
H.RESOLUTION	1 0 2 4
V.RESOLUTION	7 6 8
H. FREQUENCY	48.4 KHz
V. FREQUENCY	60.0Hz
FW VER.	1 . 0

SETUP MENU :

SETUP MENU	
LANGUAGE	
VIVID MODE	0
GREEN MODE	OFF
ANTI-BURN-IN	ON
OSD H.POSITION	5 0
OSD V.POSITION	5 0
OSD TIMEOUT	1 0
EXIT	

1. Press **MENU** button to enter the selection.
2. Press - or + button to select the function.
3. Press **CH** button to leave the selection.

LANGUAGE : Select language

VIVID MODE : Select Vivid Mode (0:Normal,1:Text,2:Photo,3:Movie)

GREEN MODE : Adjust Green Mode (Off or 5 min~10 min)

Off – No function.

On – Screen will reduce back light to 80% within (5Min to 10Min)

Screen will back to normal when any button is pressed.

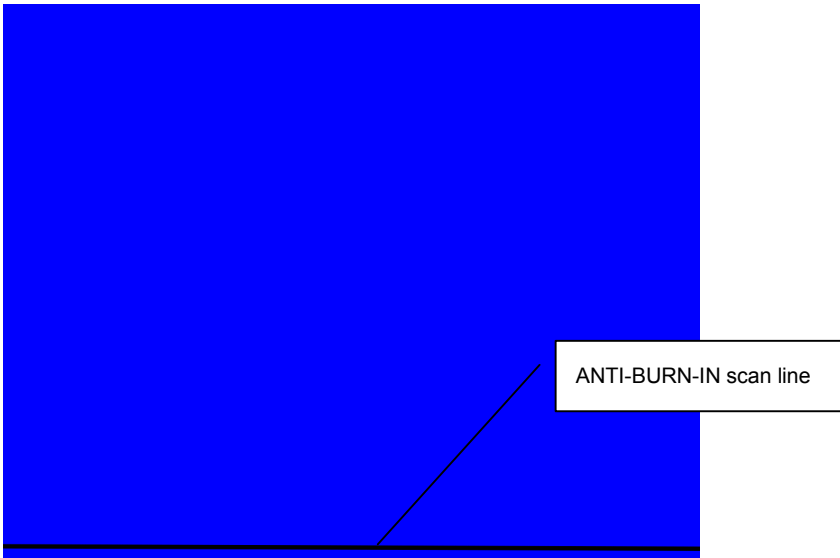
ANTI-BURN-IN : Adjust ANTI-BURN-IN(On or Off)

Off – No function.

On – Every one hour there will have one scan line scanning from bottom to top

(every 0.2 sec up one scan line) to prevent panel image sticking.

ANTI-BURN-IN



OSD H. POSITION : Adjust the OSD horizontal position value.

OSD V. POSITION : Adjust the OSD vertical position value.

OSD TIMEOUT : Adjust the OSD display time.

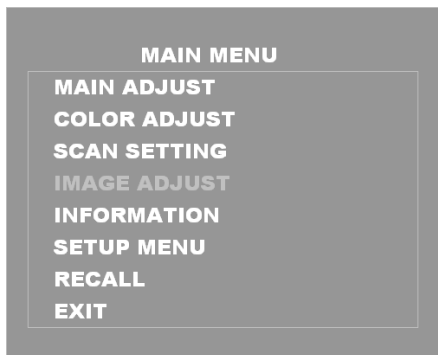
EXIT : Leave the selection

RECALL : BRIGHTNESS, CONTRAST, VOLUME, VIVID MODE, OSD Horizontal/Vertical,
OSD TIMEOUT, GREEN MODE, ANTI-BURN-IN return to default Value.

Video mode OSD:

MAIN ADJUST, COLOR ADJUST, SCAN SETTING, INFORMATION, SETUP MENU,
RECALL, EXIT

MAIN MENU: Press **MENU** button to enter to Main Menu.



MAIN ADJUST:

MAIN ADJUST	
BRIGHTNESS	5 0
CONTRAST	5 0
SHARPNESS	2
SATURATION	5 0
TINT	5 0
VOLUME	5 0
EXIT	

1. Press **MENU** button to enter the selection
2. Press **-** or **+** button to adjust the value.
3. Press **CH** button to leave the selection

BRIGHTNESS : Adjust the brightness value.

CONTRAST : Adjust the contrast value.

SHARPNESS : Adjust the sharpness value.

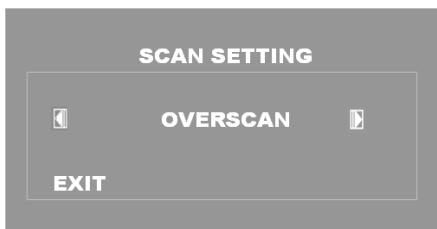
SATURATION : Adjust the saturation value.

TINT : Adjust the tint value (NTSC only).

VOLUME : Adjust the volume value.

EXIT : Leave the selection

SCAN SETTING:

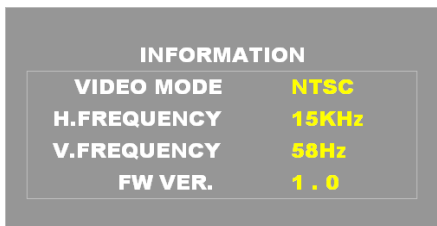


1. Press **MENU** button to enter the selection.
2. Press **-** or **+** buttons to select the function.
3. Press **CH** button to leave the function.

OVERSCAN / UNDERSCAN : Adjust scan mode.

Exit : Leave the selection

INFORMATION : Display the Video timing and F.W version information .



RECALL : BRIGHTNESS, CONTRAST, SHARPNESS, SATURATION, TINT, VOLUME,
VIVID MODE, OSD Horizontal/Vertical, OSD TIMEOUT, GREEN MODE,
ANTI-BURN-IN return to default Value.

MODEL		SC-17	SC-19
DESCRIPTION			
Panel type		17" TFT color LCD panel	19" TFT color LCD panel
Viewable size		337.92(H) x 270.336(V) mm	376.32(H) x 301.06(V) mm
Dot pitch		0.264 mm	0.294 mm
Resolution		1280 x 1024	1280 x 1024
Display color		16.7M	16.7M
Power input		Monitor 12V DC , 4.16A in , Adapter 100 -240V AC in	
Power consumption		25W (Max)	26W (Max)
Dimension (Physical) WxHxD mm		372x360x164mm	420x408x164mm
Weight NW/GW		3.6Kgs / 5.5Kgs	3.8Kgs / 5.7Kgs
Wall Mount		VESA Standard 100mm x 100mm	
Input signal	VGA	FH: 31K – 80KHz FV: 56 – 75Hz	
		Signal: RGB - 0.707Vp-p / 75 ohm H/V Sync – standard TTL input	
	DVI	SXGA(1280X1024/60Hz)	
		Signal: TMDS	
Video	NTSC/PAL composite video, Connector: 1 BNC for CVBS input , 1 BNC loop-through output Level: 1.0Vp-p / 75 ohm		
Audio	Input	Level: 1.0Vp-p / 1 KHz, connector: Phone-Jack	
	Speaker	Internal 1W x 2	
User's control		Select key / - / + / Menu / Power key	
Plug & Play		EDID	
Power Management		VESA DPMS compatible	

Specification is subject to change without notice.

