LITEMAX
Sunlight Readable LCD!

ENRICH YOUR VISUAL WORLD...

# LITEMAX SLD1226

## CCFL Backlight

(1st Edition 8/24/2007 )

All information is subject to change without notice.

| Approved by | Checked by | Prepared by |
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## Content

## Introduction

Welcome to enjoy the fantastic sightseeing world. This new technology will bring you the whole new feeling about the “monitor”. We show here some of the major advantages of the LCD monitor. You will really find some other advantages when you use it.

## Hardware Installation

This chapter will guide you the correct installation procedures of your LCD monitor.

### Unpacking

After you unpack your LCD Monitor, please make sure that the following items are included in the carton and in good condition. If you find that any of these items are damaged or missing, please contact your dealer immediately.

- One LCD Monitor on its stand
- 15-pin D-sub Video cable (Option)
- Audio cable (Option)
- AC/DC adapter with 12V DC output (Option)
- AC power cord (Option)
- Quick installation Guide
- User’s manual

### Installation

This analog LCD display **does not** require any special drivers. Necessary drivers are supplied by the video card manufacturer and may be found on the diskettes supplied with the video card that came with your computer. Windows 98/2000/XP drivers for both the display and the video card are supplied on the Windows 98/2000/XP CD or diskettes. Unfortunately, Microsoft did not provide a complete listing of the displays on the initial retail release. You may use the standard XGA (1024x768) as the display type. The video card must also be set up correctly in Windows 98/2000/XP and make sure the video output of the VGA card is on list in Section 6.1 or check your Video Card manual or Windows 98/2000/XP Read me file for further information on Video Card. After the question listed above is solved, we continue the setup procedure as below.

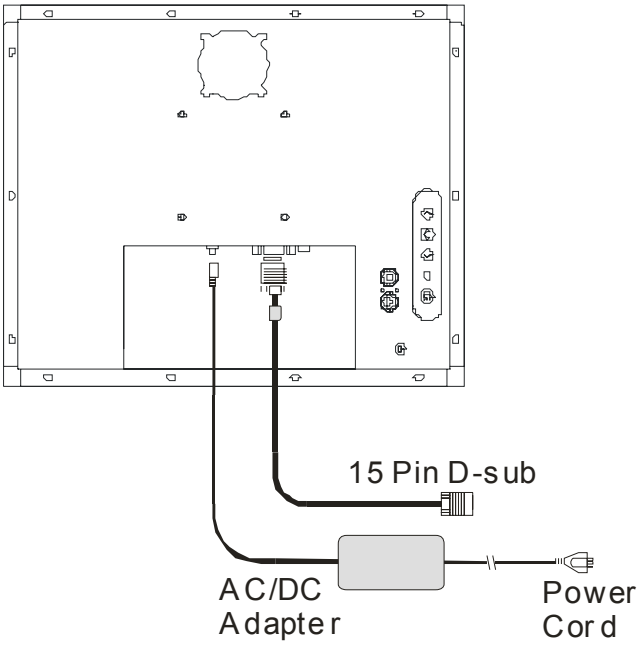
1. Turn power off both Computer and Display before making any connection.
2. Install Display on the solid horizontal surface such as a table or desk.
3. Connect the power cable and the AC/DC adapter, then connect adapter toe the back of the LCD monitor.
4. The LCD monitor comes with a 15-pin video cable; you may use this cable for both IBM PC’s & compatibles and Macintosh.
5. Tighten the screws of the Display cable until the connectors are fastened securely.
6. Switch on power to the Computer system, then to the monitor.

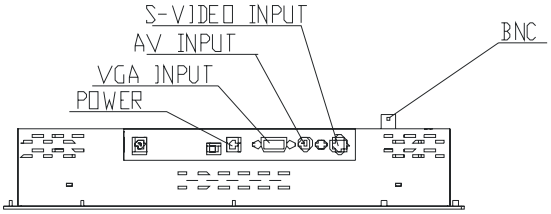
## Specification

| | |
|---|---|
| Model No. | LD1226 |
| Display Area | 245.76 (H) x 184.32 (V) mm |
| LCD Display | 12.1" TFT active matrix |
| Display Colors | 262,144 colors |
| Luminance | 1250 cd/$m^2$ (typ.) |
| Contrast Ratio | 250:1 (typ.) |
| Resolution | 1024 x 768 (XGA) |
| Pixel Arrangement | RGB (Red, Green, Blue) vertical stripe |
| Pixel Pitch | 0.24 (H) x 0.24 (V) mm |
| Viewing Angle | +70°~-70°(H), +55°~-70°(V) |
| Color Gamut | At LCD panel center<br>60% (typ.) [against NTSC color space]<br>Ton (black 10%→white 90%) |
| Response Time | 50 ms (Max) |
| Sync | LVDS |
| Signal Connector | 15 Pin D-sub |
| F/R Control Button | Power Switch, Menu, Select (+,-), Auto |
| OSD Menu | Brightness, Contrast, H/V Position, Color, Phase, Clock, Language, Management |
| Power Consumption | At maximum luminance and checkered flag pattern<br>32W (typ.) |
| Module Size | 338(H) x 278 (V) x 59.3 (D) mm |
| Weight (Net) | 3.07kg (typ.) |

※Specifications subject to change without notice.

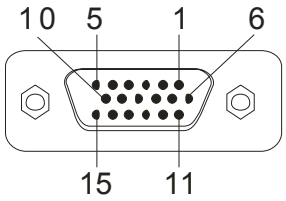
The following picture provides the connection outline




**Video Input Pin Assignment**

This section describes the pin assignment of the LCD's video connector. It is called 15pin Mini D-sub connector.




| Pin No. | Signal Connector |
|---|---|
| 1 | Red Video Signal |
| 2 | Green Video Signal |
| 3 | Blue Video Signal |
| 4 | N.C. |
| 5 | Ground |
| 6 | Ground for red video signal |
| 7 | Ground for green video signal |
| 8 | Ground for blue video signal |
| 9 | N.C. |
| 10 | Ground |

| | |
|---|---|
| 11 | N.C. |
| 12 | DDC data |
| 13 | Horizontal sync signal |
| 14 | Vertical sync signal |
| 15 | DDC clock |

## The Display Timing

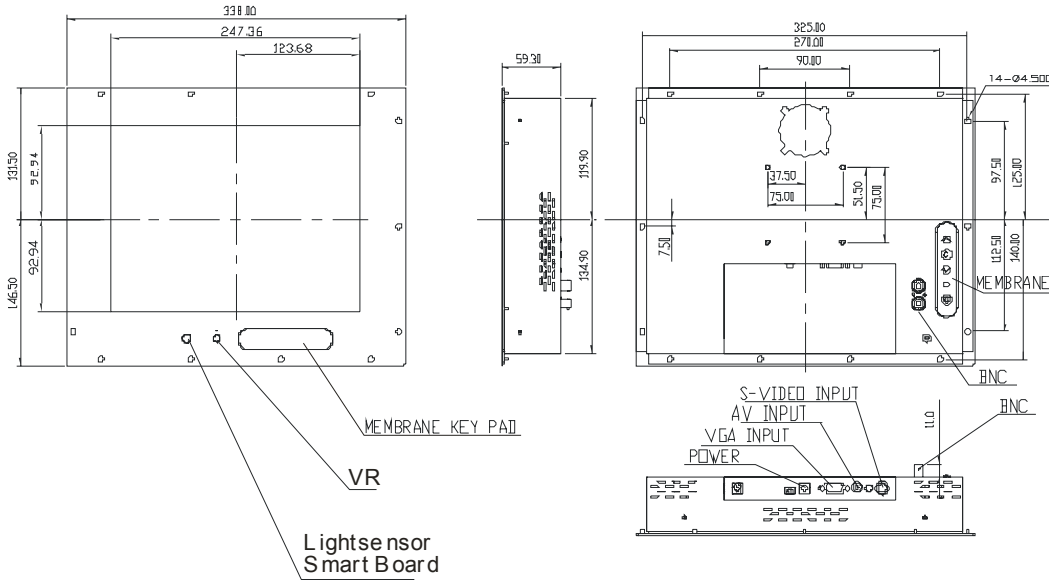
### Applicable video timing

The following table lists the better display quality modes that the LCD monitor provides. If the other video modes are input, the monitor will stop working or display unsatisfactory picture quality.

| VESA Modes | | | | | |
|---|---|---|---|---|---|
| Mode | Resolution | Total | Nominal Frequency ±0.5KHz | Nominal Frequency ±0.5KHz | Nominal Pixel Clock (MHz) |
| DOS | 720x400@70Hz | 900x449 | 31.469 | 70.087 | 28.322 |
| VGA | 640x480@60Hz | 800x525 | 31.469 | 59.940 | 25.175 |
| | 640x480@72Hz | 832x520 | 37.861 | 72.809 | 31.500 |
| | 640x480@75Hz | 840x500 | 37.500 | 75.000 | 31.500 |
| SVGA | 800x600@56Hz | 1024x625 | 35.156 | 56.250 | 36.000 |
| | 800x600@60Hz | 1056x628 | 37.879 | 60.017 | 40.000 |
| | 800x600@72Hz | 1040x666 | 48.077 | 72.188 | 50.000 |
| | 800x600@75Hz | 1056x625 | 46.875 | 75.000 | 49.500 |
| XGA | 1024x768@60Hz | 1344x804 | 48.363 | 60.004 | 65.000 |
| | 1024x768@70Hz | 1328x806 | 56.476 | 70.069 | 75.000 |
| | 1024x768@75Hz | 1312x800 | 60.023 | 75.029 | 78.750 |
| IBM Modes | | | | | |
| EGA | 640x350@70Hz | 800x449 | 31.469 | 70.086 | 25.175 |
| DOS | 720x400@70Hz | 900x449 | 31.469 | 70.087 | 28.322 |
| VGA | 640x480@60Hz | 800x525 | 31.469 | 75.000 | 31.500 |
| XGA | 1024x768@72Hz | 1304x798 | 57.515 | 72.100 | 75.000 |
| MAC Modes | | | | | |
| VGA | 640x480@60Hz | 800x525 | 31.469 | 59.940 | 25.175 |
| SVGA | 832x624@75Hz | 1152x667 | 49.725 | 74.551 | 57.2832 |
| XGA | 1024x768@75Hz | 1328x804 | 60.927 | 74.927 | 80.000 |

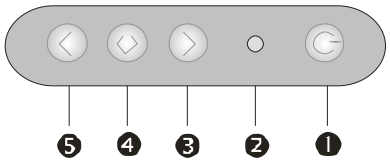
## The Display Outline Dimensions

Unit: mm



## The Display Controls

### Membrane Control Button




❶**POWER SWITCH:** Pushing the power switch will turn the monitor on. Pushing it again to turn the monitor off.

❷**Power LED:** Power ON-Green / Power off-No.

❸**Up Key >:** Increase item number or value of the selected item.
When OSD is off, it is Hot key for brightness change: MAX►TV►Game►PC

❹**Menu Key:** Enter to the OSD adjustment menu. It also used for go back to previous menu for sub-menu, and the change data don't save to memory.

❺**Down Key <:** Decrease item number or item value when OSD is on.
When OSD is off, it is hot key for input switch between VGA, S-video, AV1, and AV2

### Screen Adjustment Operation Procedure

1. **Entering the screen adjustment**
   The setting switches are normally at stand-by. Push the MENU button once to display the main menu of the screen adjustment. The adjustable items will be displayed in the main menu.
2. **Entering the settings**
   Use the Adjust＜ and Adjust＞ buttons to select the desired setting icon and push the SELECT button to enter sub-menu.
3. **Change the settings**
   After the sub-menu appears, use the Adjust＜ and Adjust＞ buttons to change the setting values.
4. **Save**
   After finishing the adjustment, push the SELECT button to memorize the setting.
5. **Return & Exit the main menu**
   Exit the screen adjustment; push the "MENU" button. When no operation is done around 45 sec (default OSD timeout), it goes back to the stand-by mode and no more switching is accepted except MENU to restart the setting.

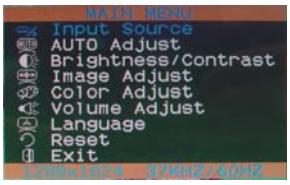
## The Screen Adjustment

### Main Menu

You can adjust the brightness, contrast, display colors, the horizontal and vertical position of the display and OSD language, etc. through the main menu display.

The OSD Menu is displayed on screen when MENU key is pressed. The OSD menu is a combination of graphic and text display. The first line always shows the current selected or active menu item. The bottom line of main menu shows information of the input image.

The LEFT and RIGHT keys are used to scroll through items within the menu. The selected item is highlighted as the scrolling move along. The SELECT key is used to activate the highlighted item. During this state, MENU key is used to close the OSD menu from the screen.




(OSD picture may vary on different AD board.)

### The OSD adjusting menu:

| | | |
|---|---|---|
| | **Input Source** | |
| | **Auto Adjust** | Select this function can make the monitor have the best efficiency. |
| | **Brightness/ Contrast** | Setup the brightness of the panel. / The Contrast menu item is used to adjust image contrast. |
| | **Image Adjust** | Configure the image frequency. |
| | **Color Adjust** | Configure the image color. |
| | **Volume Adjust** | Setup the image position within the panel. |
| | **Language** | There are 8 type languages can be selected. |
| | **Reset** | Restart the setting. |
| | **Exit** | Exit setting. |

※Note: If you don't press any key during 45 seconds, the OSD will disappear by itself and not save the parameters.