32 Inch CGA/EGA/VGA/DVI to WXGA/1080p LCD - ID#704

Operation Manual

CONVERTERS.TV

Introduction

This monitor is an open frame LCD Panel monitor. It features the VESA plug & play system which allows the monitor to automatically adjust itself to match the frequency of the user's device.

Features

- High brightness.
- Fast response time.
- Power saver.
- Low electromagnetic wave and power saver.
- Safety certifications.

Power Saver

- The power control system is installed inside the LCD monitor.
- If the monitor has not been used for a certain period of time, the system will turn the monitor to low voltage mode to save power. Any button press will return the monitor to original state.
- Your input device e.g. your computer controls the power saver mode. You can adjust these settings via your computer
- The LCD monitor is compatible with EPA Energy Star and N Tek if used with a VESA DPMS computer.
- To save power, turn off the power of the LCD monitor when it is not in use.

Plug and Play

- The VESA plug and play function eliminates the complicated and time-consuming installation process.
- As this is a plug and play monitor. Your computer system can easily identify and automatically adjust the monitor.
- The LCD monitor uses Display Data Channel (DDC) to send Extended Display Identification Data (EDID) to the computer system, so the computer system can be set to monitor auto adjust.

Setting up your LCD monitor

- Choose a position where the reflection of the light is minimal and away from a window for maximizing the quality of the screen image.
- It is important to keep 30cm between the LCD monitor to minimize eye strain.
- Position the LCD monitor slightly above your horizontal vision as you are sitting.
- Tilt either forward or backward for the most comfortable angle to view the monitor. This LCD monitor supports connection to a computer or a work station.

Screen Adjustment

To enter adjust mode, please refer to the OSD control.

- Turn the computer and LCD monitor on.
- Press "Auto" button to start auto adjust.
- This will start the auto adjust process. This will take approximately 10 seconds. You may notice the image changing and occasionally flashing (this is normal).
- Your LCD monitor provides a self testing function, through which you can check whether the LCD monitor functions are working properly.
- If your LCD monitor is properly connected, but there is no image showing and the indicator lights up in orange, please follow the below steps:
- Shutdown the computer and the LCD monitor.
- Unplug the signal connector from the back of the computer.
- Turn the LCD monitor on.
- If the image connector is disconnected or damaged, a "No signal" sign will pop up on the monitor.

NO SIGNAL

- Turn off the LCD monitor and reconnect the signal cable, and then turn the computer and LCD monitor on.
- If the LED of the LCD monitor is an orange colour after completing the steps above, please check your VGA card and computer system. Your monitor should be operating properly.

CONVERTERS.TV

OSD Control

Thanks to the user-friendly design of OSD (On Screen Display), you can adjust your monitor by the keypads in the front of the monitor.
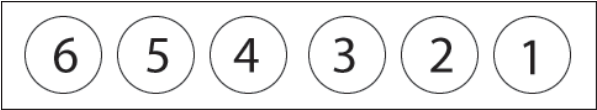

|		
1.	**Power Switch**	Power On/Off.
2.	**LED**	Power Indicator
		Green = normal
		Red = power saving
		Off = power off.
3.	**Menu**	Automatically optimize positions, phase and clock when OSD is not shown.
4.	**+**	This control is used for selection or adjustment when OSD is show.
5.	**-**	This control is used for adjustment when OSD is shown.
6.	**Auto/Esc**	Enter OSD access sub-menu and selection.

VGA Signal Connector
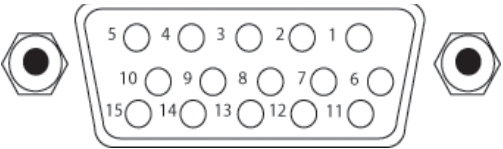
Pin 1	Analog red input.
Pin 2	Analog green input.
Pin 3	Analog blue input.
Pin 4	Ground.
Pin 5	Digital ground.
Pin 6	Analog red ground.
Pin 7	Analog green ground.
Pin 8	Analog blue ground.
Pin 9	Ground.
Pin 10	Sync ground.
Pin 11	Ground.
Pin 12	SDA (DDC Data).
Pin 13	H. Sync or H + V Sync.
Pin 14	V. sync.
Pin 15	SCL (DDC CLK).

CGA /EGA
Signal Connector
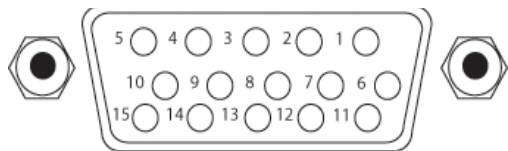
Pin 1	CGA/EGA analog red input.
Pin 2	CGA/EGA analog green input.
Pin 3	CGA/EGA analog blue input.
Pin 4	Ground.
Pin 5	No Connection
Pin 6	No Connection
Pin 7	No Connection
Pin 8	Ground
Pin 9	No Connection
Pin 10	No Connection
Pin 11	No Connection
Pin 12	No Connection
Pin 13	H + V Sync or H. Sync
Pin 14	V Sync
Pin 15	No Connection

DVI
Signal Connector
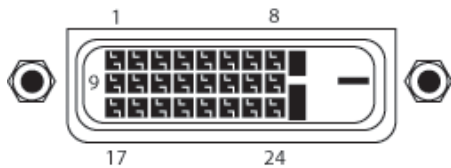
Pin	Signal	Pin	Signal	Pin	Signal
1	TMDS Data 2-	9	TMDS Data1-	17	TMDS Data0-
2	TMDS Data2+	10	TMDS Data1+	18	TMDS Data0+
3	TMDS Data2/4 Shield	11	TMDS Data1/3 Shield	19	TMDS Data0/5 Shield
4	TMDS Data4-	12	TMDS Data3-	20	TMDS Data5-
5	TMDS Data4+	13	TMDS Data3+	21	TMDS Data5+
6	DDC Clock	14	+5V Power	22	TMDS Clock Shield
7	DDC Data	15	Ground(+5V)	23	TMDS Clock+
8	No Connection	16	Hot Plug Detect	24	TMDS Clock-

CONVERTERS.TV

Adjusting the Image

- Press the menu button to start the OSD feature.
- Click the "Up" or "Down" button to select the function to be adjusted.
- Click the "Menu" button to access into the function to be adjusted.
- Click the "Up" or "Down" button to change the current setting of the function selected.
- To exit the OSD menu or go back to a previous menu click the "Auto/Esc" button. Upon exiting the menu your changes will automatically saved.
- If after pressing the menu button, the OSD button will disappear, if no additional buttons are pressed for several seconds. If this occurs, any adjustments made, will still be automatically saved.
- Due to the automatic save feature, turning off the power is unwise while navigating the menu.
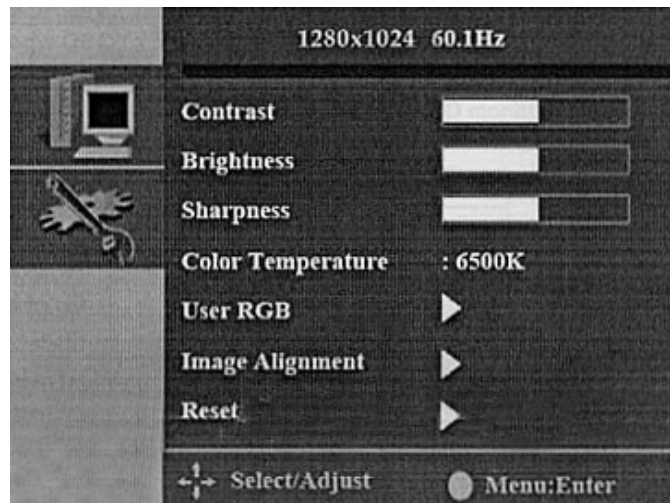
Please Note: Due to the advanced nature of this panel. Adjustments to clock, phase and image positioning are saved only for the signal timing you are currently using. Meaning if your input is CGA 640 x 215 @60Hz, and you adjust the clock setting. This will only affect this timing.
So when your change input to VGA 640 x 480 @60Hz for example the clock will be at its default (or last memory saved setting). This is to allow the user to get a picture perfect for every input he requires and avoid redoing settings each time the input is changed.
Except for these adjustments, clock, phase and image positioning, all other adjustments are universal for example changing the brightness setting will change the brightness setting for all inputs and timings.
To help the User remember; all settings that only affect the timing you're currently using are coloured pink and the universal settings are coloured white.

Main Menu		
IMAGE SETTINGS	**Contrast**	Adjust the contrast of the image.
	Brightness	Adjust the brightness of the screen.
	Gamma	Adjust the gamma level of the image.
Colour Temperature	**9300K**	Set up the colour temp. to be 9300 K white colour.
	6500K	Set up the colour temp. to be 6500 K white colour.
	5800K	Set up the colour temp. to be 5800 K white colour.
	User RGB	Adjust the Red, Green, Blue colour values separately
FEATURE CONTROLS	**Auto Colour**	Automatically adjusts the colour for you
	Screen Test	Performs a series of colour tests to show that the screen is working correctly.
	Language	Select a language for the menu to appear in (English, French, German [Deutsch], Italian, Spanish and Chinese and Japanese)
	Input Source	Provides information on your current input such as resolution and refresh rate.
	OSD Timer	Increase or decrease the length of time the "on screen display" menu will stay visible with any button pressing

Warning: Phase and Clock Settings should only be touched by an experienced user. Altering these values can make the image unwatchable on the screen
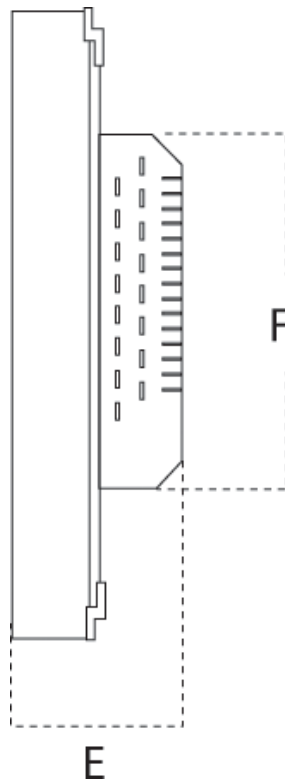
Support PC Timings

Type	H. Frequency. (kHz)	V. Frequency (Hz)	Resolution
VGA	31.469	59.940	640x480 @ 56
SVGA	35.156	56.250	800x600 @ 56
SVGA	37.879	60.317	800x600 @ 60
XGA	48.363	60.004	800x600 @ 72
WXGA	47.600	60.030	800x600 @ 75
LCD	47.539	59.573	1024x768 @ 60
Full HD	67.158	59.96	1024x768 @ 70

CONVERTERS.TV

Front View
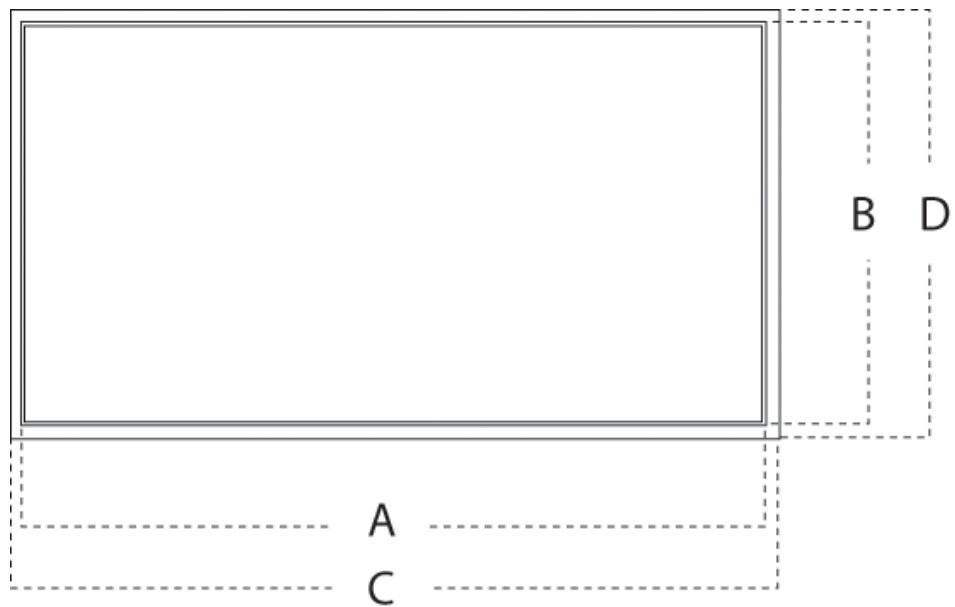
A. 697.6mm **E.** 92.2mm
B. 392.2mm **F.** 331.2mm
C. 760mm
D. 453.4mm

Specifications

Specifications for this Model	
Model Selection Guide	VGA + DVI
Screen Size	31.51"
Pixel Pitch(mm)	0.51075 x 0.51075
Blacklight	CCFL x 16
Cell Type	SMVA
Response	6.5ms
Input Mode	WXGA
Video Frequency Horizontal	31 ~ 47KHZ
Video Frequency Vertical	56 ~ 60Hz
Colours	16.7M Colors
Aspect Ratio	16:9
Horizontal Viewing Angle	176 Degrees
Horizontal Viewing Angle	176 Degrees
Max Resolution	1366 x 768
Bandwidth	90MHz Dot Clock
Contrast Ratio	2500:1 Typ
Brightness	Min 380 cd/m2 Typ 450 cd/m2
Display Size Horizontal	697.6845
Display Size Vertical	392.256
Power	AC Power(100 ~ 240VAC)
Power Consumption	150W Max
Management	Vesa-Dpms 150W Max Power down mode </=9 Watts
Function Keys	5
Input Signal	0.7Vpp Analog75 Ohm
Sync	TTL Level Seperate, Composite
Windows Compatability	Windows98/2000
PC Interface	Analog Interface
Signal Cable	Standard VGA cable w/15-pin D-sub connector.
Operating Temperature	0 degrees ~ 40 Degrees
Humidity	10 ~ 85%