



# TFT-LCD TV MONITOR



## V200T USER'S MANUAL

[www.viewera.com](http://www.viewera.com)

Rev 1.1

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# 1. Introduction

## 1.1 Product Description

Congratulations on your purchasing **ViewEra** LCD monitor. It incorporates high quality display into a small light weighted module. It has power-saving capabilities and emits no radiation. You will certainly benefit from this monitor in lots of ways; to name some of them: comfort, safety, and environmental protection.

This LCD monitor incorporates **20.1"** color active matrix thin-film-transistor (TFT) liquid crystal display to provide superior display performance. Its maximum resolution of **20.1" SVGA 800×600** is ideal for displaying complex graphics and high definition images. Its other outstanding capabilities include audio system and OSD (On Screen Display) controls.

## 1.2 Package Contents

Included with your LCD monitor as following items :

1. 20.1" TFT LCD monitor
2. 15 pin D-sub signal cable
3. Line Sound Card Cable
4. AC power cable
5. Adaptor
6. User's manual
7. Remote control

### **1.3 Product Features**

1. High contrast color TFT LCD display support resolution up to 20.1" SVGA 800 ×600@75Hz
2. Compatible with IBM VGA, IBM SVGA, and Macintosh standards.
3. Imbedded audio system provides sound performance.
4. AV-In and S-video, Component (Option)
5. Power management system conforms to VESA DPMS standard.
6. Support DDC 1/2B for Plug & Play compatibility.
7. Advanced OSD control for picture quality adjustment.
8. Detachable stand for wall-mounting application.

### **1.4 Screen cleaning techniques**

1. Gently clean the screen with a clean camel hair lens brush, or a soft, clean, lint-free cloth, to remove dust and other particles that can scratch the screen.
2. Do not apply pressure to the screen surface when wiping it clean.
3. Do not pour or spray any liquid directly onto the screen or casing. Chemical cleaners have been reported to damage the screen or case of the LCD monitor.

## **1.5 Additional**

Read all of these instructions and save them for later use.  
Follow all warnings and instructions on the product.

### 1. Product

- ◆ Do not cover block the vent holes in the case.
- ◆ Do not insert sharp objects or spill liquid into the LCD monitor through cabinet slots. They may cause accident fire, electric shock or failure.
- ◆ Disconnect the power plug from the AC outlet if you will not use it for an extended period of time.
- ◆ Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks.
- ◆ Do not touch the screen directly with your fingers. You may damage the screen, and oil from your skin is difficult to remove.
- ◆ Do not apply pressure to screen. The LCD is very delicate.

### 2. Power

- ◆ Use the type of power indicated on label.

### 3. Plugs

- ◆ Do not remove any of the prongs of the monitor's three-pronged power plug.
- ◆ Disconnect the power plug from the AC outlet under following conditions :
  - If you will not use it for an extended period time.
  - When the power cord or plug is damaged or frayed.
  - If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician .
  - If the product exhibits a distinct change in performance, service may be required.

#### 4. Power and extension cords

- ◆ Do not allow anything to rest on the power cord.
- ◆ Do not locate this product where persons will walk on the cord.
- ◆ Use the proper power cord with correct attachment plug type. If the power source is 120V AC, use a power cord that has UL and C-UL approvals, If the power source is a 240V AC supply, use the tandem (T blade) type attachment plug with ground conductor power cord that meets the respective European country's safety regulations, such as VDE for Germany.
- ◆ Do not over load wall outlets or power cords. Ensure that the total of all units plugged into the wall outlet does not exceed 10 amperes.
- ◆ Ensure that the total ampere ratings on all units plugged into the extension cord is not above the cord's rating.
- ◆ If the power supply cord, which came with your monitor, is to be connected to the PC instead of the wall outlet, Use an UL/TUV approved computers with receptacle rated 100~240V AC, 50/60Hz, 1.0A(minimum) only.

#### 5. Environment

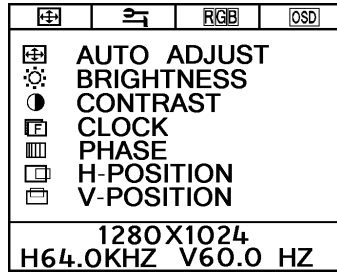
- ◆ Place the monitor on a flat and leveled surface.
- ◆ Place the monitor in a well-Ventilated place.
- ◆ Keep the monitor away from :
- ◆ Overly hot, cold or humid places, places directly under sunlight, dusty surroundings, equipment that generate strong magnetic fields.
- ◆ Please adjust the frequency to 75 Hz after setting up the LCD monitor.
- ◆ Then push the OSD menu button and use the Auto Adjust function to find the best mode of your computer.

## 2. Control Functions

### 2.1 Control Button Front View 【PC Mode】

**1 2 3 4 5 6 7 8**

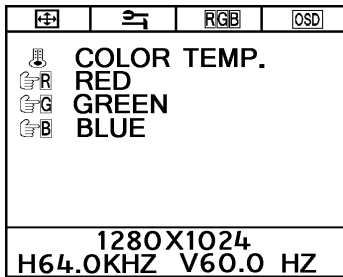
- 1. Source Select :** Direct select the input signal PC / AV / S-Video / YCbCr .
- 2. NO Function**
- 3. Auto Adjust :** Adjust CLK , Phase, H/V-Position automatically.
- 4. OSD menu / select :** Pressing this button pops up the OSD menu on the screen Add used to select the OSD control options on the screen.
- 5. Adjust (decrease -) :** This button is used to adjust the decreasing value of selected.
- 6. Adjust (increase +) :** This button is used to adjust the increasing value of selected.
- 7. Mute :** This button is used to volume Mute.
- 8. Power Switch :** Power switch.







### Monitor Function Selection Menu :

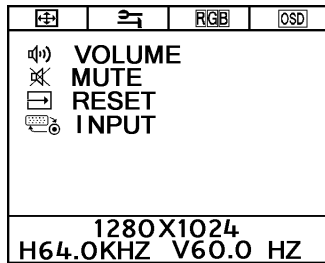
- Auto**            Select this function to obtain the best display efficiency.
- Brightness** : Adjust the brightness using + and - button.
- Contrast** :    Adjust the contrast using + and - buttons.
- Clock** :        Adjust the clock using + and - buttons.
- Phase** :        Adjust the phase using + and - buttons.
- Horizontal Position** : Pressing + moves the display image to right ;Pressing - moves the display image to left.
- Vertical Position** : Pressing + moves the display image upward ; Pressing - moves the display image down ward.









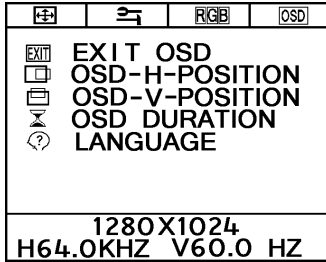
**RGB Color Temperature and RGB Adjusting Menu :**

-  **Color Temperature**                      Color Temperature Select.
-  **Red :**                                      Red range adjustment
-  **Green :**                                    Green range adjustment
-  **Blue :**                                     Blue range adjustment



## **Tools Menu** :

-  **Volume** : Adjust the volume using + and - buttons.
-  **Mute** : Mute function.
-  **Reset** : Reset function.
-  **Input** : PC→AV→S-Video→ Y, Cb, Cr selection



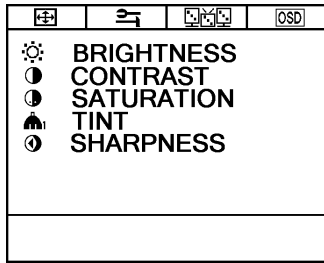
### **OSD** OSD Function Selection Menu :

- EXIT** **Exit OSD :** Exit the OSD function selection menu.
- OSD-H- Position :** Pressing + moves the OSD to right ;  
Pressing - moves the OSD menu to left.
- OSD-V-Position :** Pressing + moves the OSD menu upward; Pressing - moves the OSD menu downward.
- OSD DURATION :** Set the OSD display time.
- LANGUAGE :** Set the OSD display language.

## 2.2 Control Button Front View 【AV、Mode】

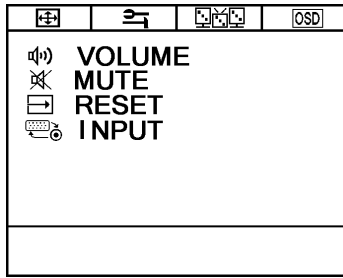
**1 2 3 4 5 6 7 8**

- |                                 |  |   |
|---------------------------------|--|---|
| <b>1. Source Select :</b>       | Direct select the input signal PC / AV / S-Video / YCbCr . | Pressing this button pops up the OSD menu on the screen And used to select the OSD control options on the screen. |
| <b>2. NO Function:</b>          |  |   |
| <b>3. NO Function:</b>          |  |   |
| <b>4. OSD menu / select :</b>   |  |   |
| <b>5. Adjust (decrease -) :</b> |  | This button is used to decrease the value of selected function.   |
| <b>6. Adjust (increase +) :</b> |  | This button is used to increase the value of selected function.   |
| <b>7. Mute :</b>                |  | This button is used to mute speaker volume.   |
| <b>8. Power Switch :</b>        |  | Power switch  |







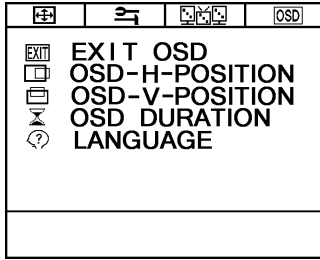
### **Monitor Function Selection Menu :**

- ☀ **Brightness** : Adjust the brightness using + and – button.
- **Contrast** : Adjust the contrast using + and – buttons.
- **Saturation** : Adjust the Saturation using + and – buttons.
- 🏠 **TINT** : Adjust the Tint using + and – buttons.
- **Sharpness** : Adjust the Sharpness using + and – buttons.



## Tools Menu :

-  **Volume** : Adjust the volume using + and – buttons.
-  **Mute** : Mute function.
-  **Reset** : Reset function.
-  **Input** : PC→AV→S-Video→YCbCr select.



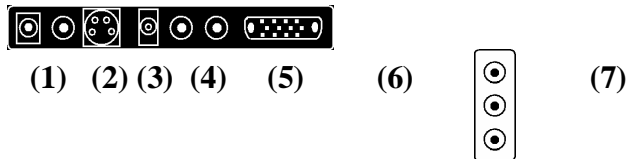
### **OSD OSD Function Selection Menu :**

- EXIT OSD :** Exit the OSD function selection menu.
- OSD -H- Position :** Pressing + moves the OSD to right ; Pressing - moves the OSD menu to left.
- OSD-V-Position :** Pressing + moves the OSD menu upwards; Pressing - moves the OSD menu downwards.
- OSD DURATION :** Set the OSD display time.
- LANGUAGE :** Set the OSD display language.

### 3. Inputs Diagram

#### Inputs

#### **【AV】**



- 【1】 DC IN :** DC power input from adaptor.
- 【2】 AV IN :** RCA jack AV signal input.
- 【3】 S-VIDEO IN :** S-Video signal input.
- 【4】 LINE OUT :** Sound signal output (Stereo Phone Jack).
- 【5】 RCA JACK :** Audio signal R/L input.  
AUDIO IN
- 【6】 VGA IN (PC IN) :** Connect to PC VGA D-Sub signal.
- 【7】 Component IN :** Component in Y, Cb, Cr.



## 4. Setup

### Electrical Connection

Please follow the instruction below to properly connect the LCD monitor to external electrical source.

1. Connect the female-end of the power cable to the transformer. Connect the male-end of the power cable to the wall outlet or extension cable.
2. Connect the cable from the other end of the transformer to the LCD monitor located at the back near the VGA signal cable.

### Signal Connection

1. Power off both the LCD monitor and PC system before connecting them.
  2. Take out the VGA cable from the box, then connect it to the signal connector at the back of the LCD monitor.
  3. Connect the other end to the VGA connector on the back of the PC system.
  4. Please make sure the connections to both the PC system unit and the LCD monitor is strong and secure. Please don't forget to tighten the screws on each connector end.
  5. Now turn on both the PC system unit and the LCD monitor.
  6. After you finish setting up the LCD monitor, please set the refresh rate to 75Hz.
  7. After setting up the LCD monitor, please perform Auto Adjust in OSD so that the LCD monitor will be automatically set to optimal color display each time.
- \* Please note: When you disconnect any power cable or signal cable, please do not pull the cable by grabbing the cable body. Please grab the cable connector itself whenever you try to pull the cable during disconnect.

## 5. Viewing Angles

### Tilting

For better viewing angle, you may tilt the LCD monitor forwards (up to 10 degrees) or backwards (up to 25 degrees).

Down : 10°



Up : 25°

## 6. Product Specifications

### 20.1" Product Specification

Type Spec	AV
LCD Display	20.1" Active matrix TFT LCD panel
Pixel Pitch	0.51(H) × 0.51(V) mm
Max. Resolution	800(H) × 600 (V) SVGA
Set Size	595(H) × 430(W) × 190(D) mm
Pack Size	695(H) × 675(W) × 275(D) mm
Contrast Ratio	500:1
Brightness	500 cd/m <sup>2</sup>
Response Time	Tr 6 ms ; Tf 16ms (typ)
Display Color	16.777M
View Angle	L+/R- ±80° : U+/D- ±60°
PC Interface	RGB analog 0.7V peak to peak
Video Sync.	TTL positive or negative
Display Mode	VGA, SVGA
PC Audio in / Audio out	RCA JACK(R/L) / Phone Jack
Video Connector	RCA Jack/ Mini Dine
Frequency	(Hor.) 31.5-48KHz (Ver.) 56-75Hz
Signal Connector	D-sub 15 pin
Front Control	Source select , CH down , CH up, Menu , Adjust +, -, Mute ,Power.
OSD Menu	Contrast, Brightness, Auto Adjust, Clock, Phase, H-Position, V-Position.
Power Adapter	AC Input : 100-240V~1.8A, 50-60Hz DC Output : 12V/ 5.0A
Operating Conditions	Temperature: 0°C ~40°C Humidity : 20% ~ 85%
Storage Conditions	Temperature: -20°C ~60°C Humidity : 10%~95%
Certification	BSMI, FCC (DOC), CE-B, UL, TUV/GS
Weight	Net : 8.5Kgs, Gross : 14Kgs

## 7. Display Modes

	Resolution	H Freq (kHz)	V Freq (Hz)		Resolution	H Freq (kHz)	V Freq (Hz)
1	640 ×350	31.469	70.070	6	800 ×600	35.156	56.250
2	640 ×480	31.469	59.940	7	800 ×600	37.879	60.317
3	640 ×480	37.861	72.809	8	800 ×600	48.077	72.188
4	640 ×480	37.500	75.000	9	800 ×600	46.875	75.000
5	720 ×400	31.469	70.087				

## 8. Dead Pixel Policy

Dead pixels on the TFT LCD panel are sometimes inevitable. ViewEra guarantees that the monitor will be replaced if the number of dead pixels on our monitor exceeds 5 pixels.

## 9. Warranty and Service Information

### Warranty

ViewEra warrants the V200T TFT-LCD TV monitor for three years for parts and labor, one year for LCD panel and back light from the date of purchase. For detail warranty information, please refer to our website.

(<http://www.viewera.com/warranty.htm>)

### Service

Contact your ViewEra retailer or ViewEra for after sale service.

You may contact ViewEra Customer Support as below:

1. By Mail: 328 Paseo Tesoro, Walnut, CA 91789
2. By Telephone: (909)595-3748
3. By Fax: (909)595-3526
4. By E-mail: [support@viewera.com](mailto:support@viewera.com)

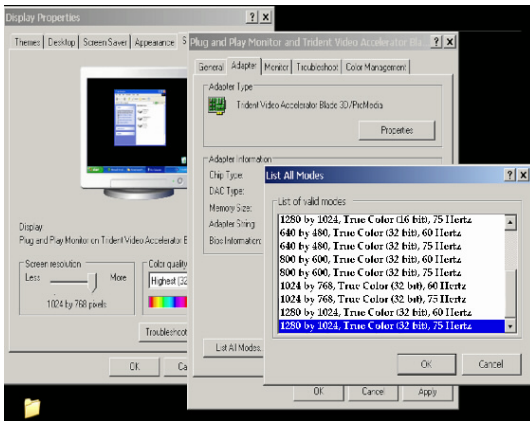
The business hours are 9:00 am – 6:00 pm PST, Mon – Fri.

## 10. Windows setup

For the best view, please set up the monitor type in Windows as follows:

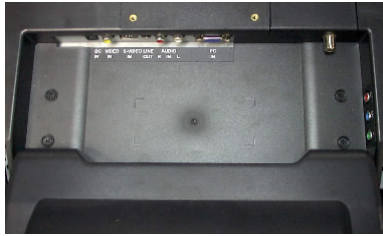
Control Panel > Display > Settings > Advanced > List All Modes

**For 800 × 600, please set to “SVGA 800×600 @60 Hz”**



## 11. Wall Mount Installation

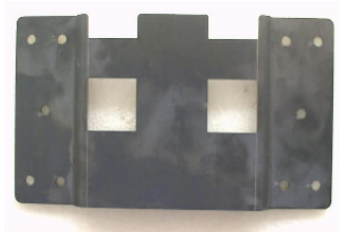
11.1 Remove the Base by un-installing the 4 screws and pull the Base from the Monitor.



11.2 Install the Wall-mount kit by securing the 4 screws with the bracket pointing in downward direction as shown in the picture.



11.3 Face the Wall mount metal bracket in accordance with the direction shown for proper mounting with the monitor.



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