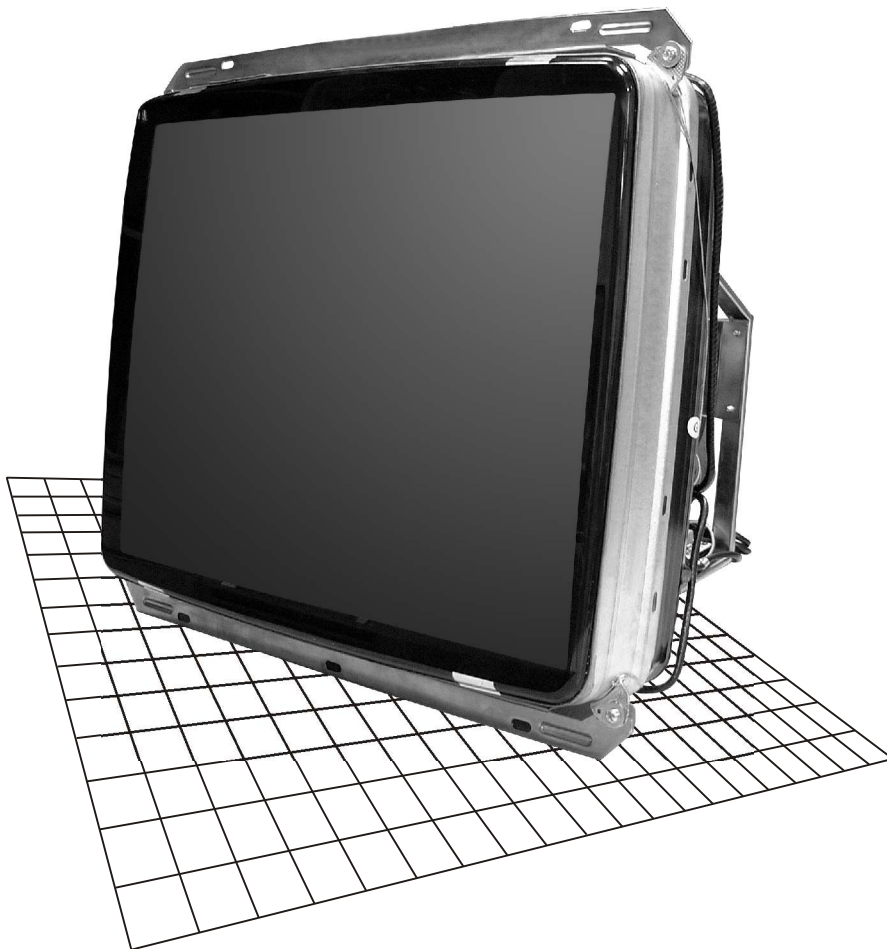


# **HIGH RESOLUTION MONITOR**

**29" Pure Flat 15K-40Khz**

**Installation Instruction**





## ★ Primary side and Secondary side

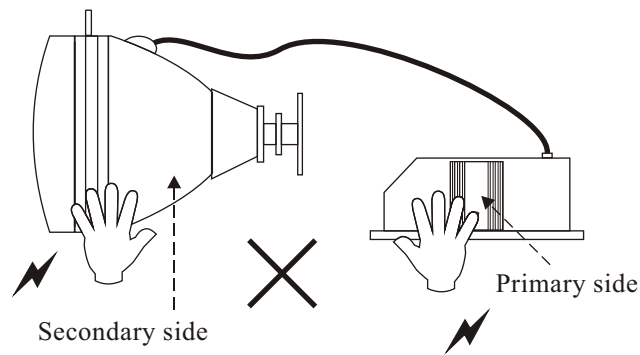
The monitor's circuit which is divided into the primary side and secondary side, is insulated. Do not touch the primary side, or do not touch both the primary side and the secondary side simultaneously.

Not following the instruction can cause shock and this is very dangerous.

When making monitor adjustments, use a non-conductive driver and make adjustment without touching any part other than the adjustment VR.

Also, be sure not to cause a short-circuit to the primary side and secondary side.

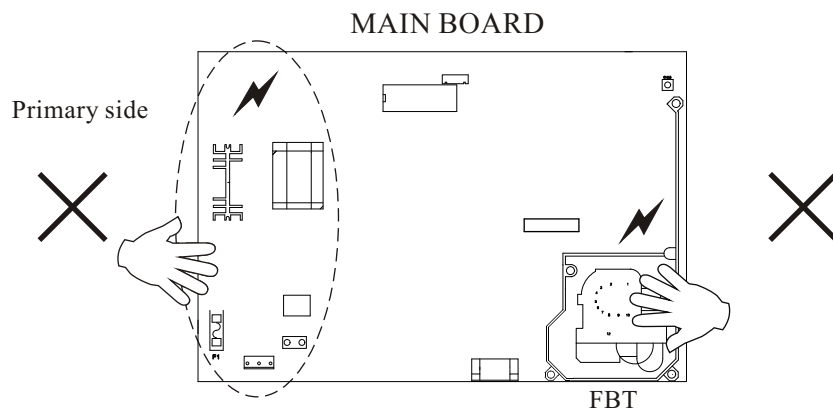
If short-circuited, it may cause shock or malfunctioning, which is very dangerous.



## ★ High Voltage

Some of the parts inside monitor are subject to high voltage in excess of 20,000 volts and very dangerous. Therefore, be sure not to touch the monitor interior.

Should soldering & paper wastes. etc. be mixed in the monitor interior, turn the power off so as not to cause malfunctioning or fire hazard.





## ★ **Connecting the CRT and PCB**

For combining the CRT and PCB, use the specified part NO. to maintain the status of adjustments made at the factory. The anode of the CRT itself will be accumulatively charged as time elapses, generating high voltage which is very dangerous. the monitor should be used with the Chassis, CRT and PCB assembled. When repair, etc. is required at the time of malfunctioning, be sure to send it in an "as is assembled" condition. If these are disassembled, what's charged to said high voltage can be discharged, causing a very hazardous situation. Therefore, under no circumstances should it be disassembled.

## ★ **Installation and removal**

Ensure that the Magnetizer Coil, FBT, Anode lead and Focus lead are not positioned close to the sheet metal work's sharp edges, etc. and avoid damaging the insulated portions so as not to cause shock and malfunctioning.

## ★ **Static Electricity**

Touching the CRT surface sometimes causes you to slightly feel electricity. This is because the CRT surfaces are subject to static and will not adversely affect the human body.



# INDEX

<b>1. INTRODUCTION</b>	-----	<b>1</b>
<b>2. CHECK LIST</b>	-----	<b>1</b>
<b>3. INSTALLATION</b>	-----	<b>2</b>
<b>4. FRONT CONTROL</b>	-----	<b>3</b>
<b>5. FUNCTION DESCRIPTION</b>	-----	<b>4~7</b>
<b>6. SPECIFICATION</b>	-----	<b>8</b>
<b>7. KEYBOARD BASE MECHANICAL DRAWING</b>	---	<b>9</b>

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# 1. INTRODUCTION

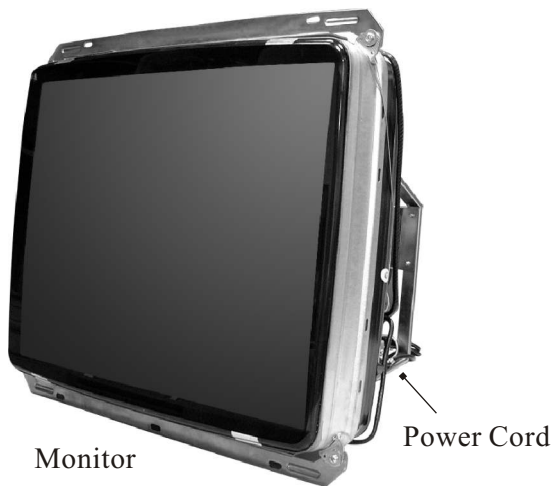
This high resolution monitor automatically scan horizontal frequency 15-40 KHZ , and vertical frequency between 47-90 HZ , resolution 1024x768 .

# 2.CHECK LIST

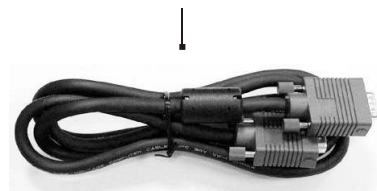
Please check the contents of the shipping carton. The color monitor contains the following items :

- ★ Monitor
- ★ 15 pin D-sub Cable (male-male)
- ★ 6 pin signal wire (female)

If any of above items is missing please contact your supplier as soon as possible. They should provide the missing parts to you.



15pin D-sub Cable  
(Male-Male)



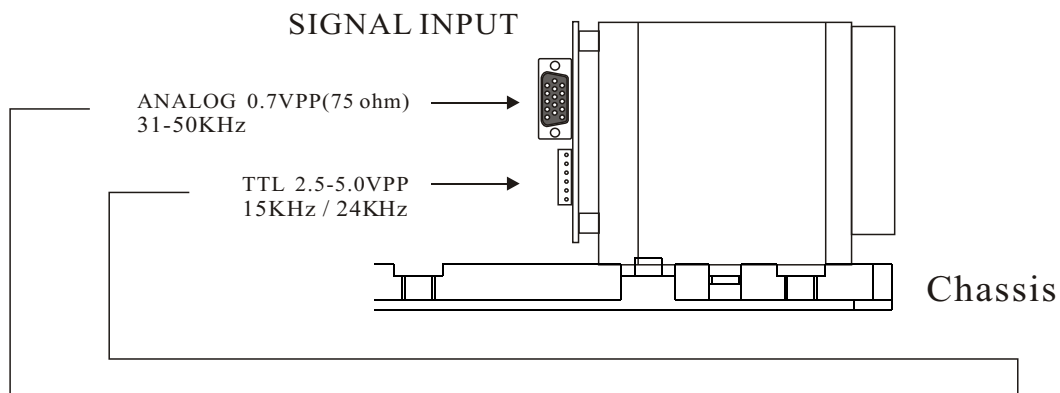
### 3. INSTALLATION

Please make sure that the line voltage is exactly within the voltage range shown on the label .

Check if the signal source and this monitor are both turned off before connecting.

★ Plug the free end power cord into AC power source.

★ Signal input



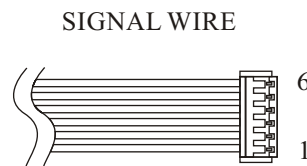
PIN	VIDEO	PIN	VIDEO
1	R	12	SDA
2	G	13	H SYNC
3	B	14	V SYNC
4,5,6,7,8,10,11	GND	15	SCL

PIN 9 - No connection

PIN 12 - SDA or No connection

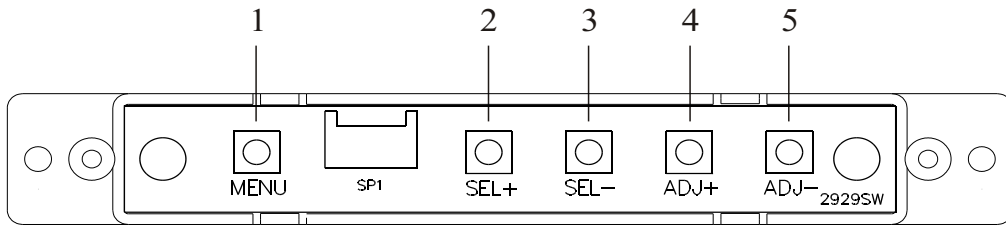
PIN 15 - SCL or No connection

Line /color	Video	Video
1 Grey	No connection	V SYNC
2 White	C(H+V) SYNC	H SYNC
3 Black	GND	GND
4 Blue	B OR	B
5 Green	G →	G
6 Red	R	R



★ Turn on the signal source and monitor's power to operate it.

## 4. Front Control



OSD CONTROL BOARD

### 1, MENU

Press this key to show or to disappear the function windows.

### 2, SEL+

Press this key to select different function control.

### 3, SEL-

Press this key to select different function control.

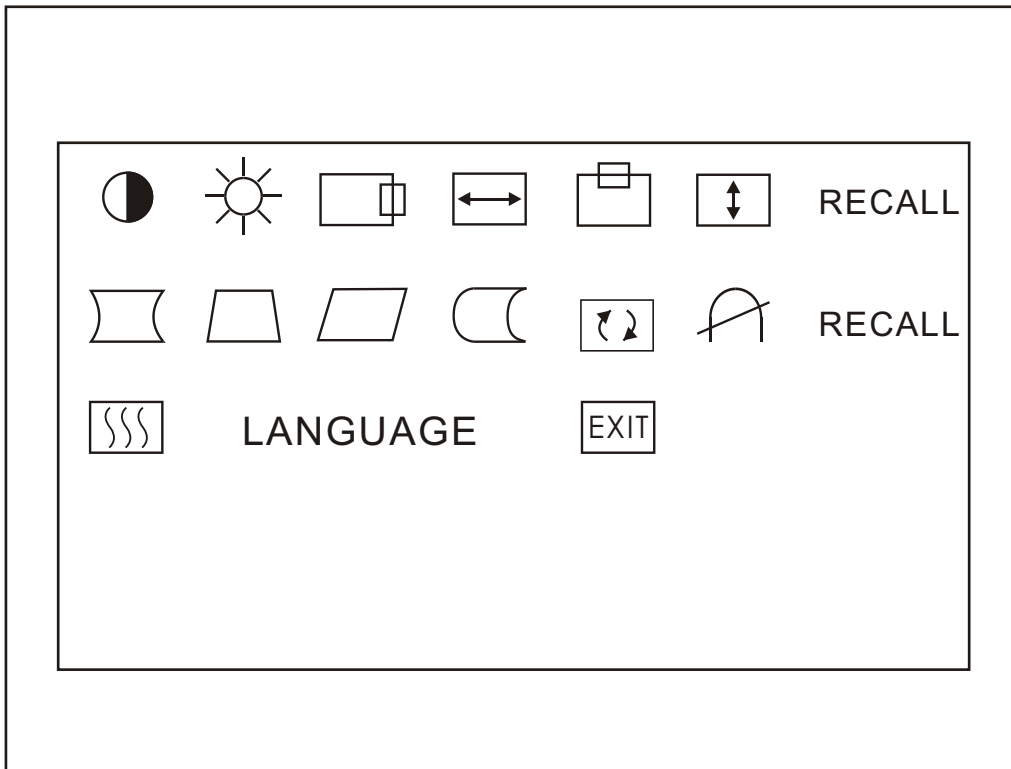
### 4, ADJ+

Press this key to increase display of every function.

### 5, ADJ-

Press this key to decrease display of every function.

## Used key of [MENU] to choice function window or EXIT



### 1. CONTRAST

You may push key of [ADJ -] or [ADJ+] to adjust contrast between background and foreground of screen image.

### 2. BRIGHTNESS

You may push key of [ADJ -] or [ADJ+] to adjust the background brightness of screen image.

### 3. H-POSITION

You may push key of [ADJ -] or [ADJ+] to move the horizontal position of screen to right or left.

### 4. H-SIZE

You may push key of [ADJ -] or [ADJ+] to adjust the horizontal size of screen image.



## **5. V-POSITION**

You may push key of [ADJ -] or [ADJ+] to move the vertical position of up or down.

## **6. V-SIZE**

You may push key of [ADJ -] or [ADJ+] to adjust the vertical size of screen image.

## **7. RECALL**

This function is used to recall presetting function of window 1 by manufacture

## **8.. PINCUSHION**

You may adjust straightness of screen image's vertical edges. To Push key of [ADJ+] to curve image's outwards. The key of [ADJ -] is curved image's inwards.

## **9. TRAPEZOID**

You may push key of [ADJ -] or [ADJ+] to adjust the best trapezium of of screen image.

## **10. PARALLEL**

You may push key of [ADJ -] or [ADJ+] to adjust the best parallelogram of screen image.

## **11 BOW**

You may push key of [ADJ -] or [ADJ+] to adjust straightness of screen image's vertical edges.

## **12. ROTATION**

This function is adjusted the evenness of screen image relative to a horizontal line. To push key of [ADJ+] to counterclockwise tilt screen image. The key of [ADJ -] clockwise tilt screen.

## **13. DEGAUSS**

You may push key of [ADJ -] or [ADJ+] to degauss screen.

## **14. RECALL**

This function is used to recall presetting function of window 2 by manufacture.

## **15. MOIRE**

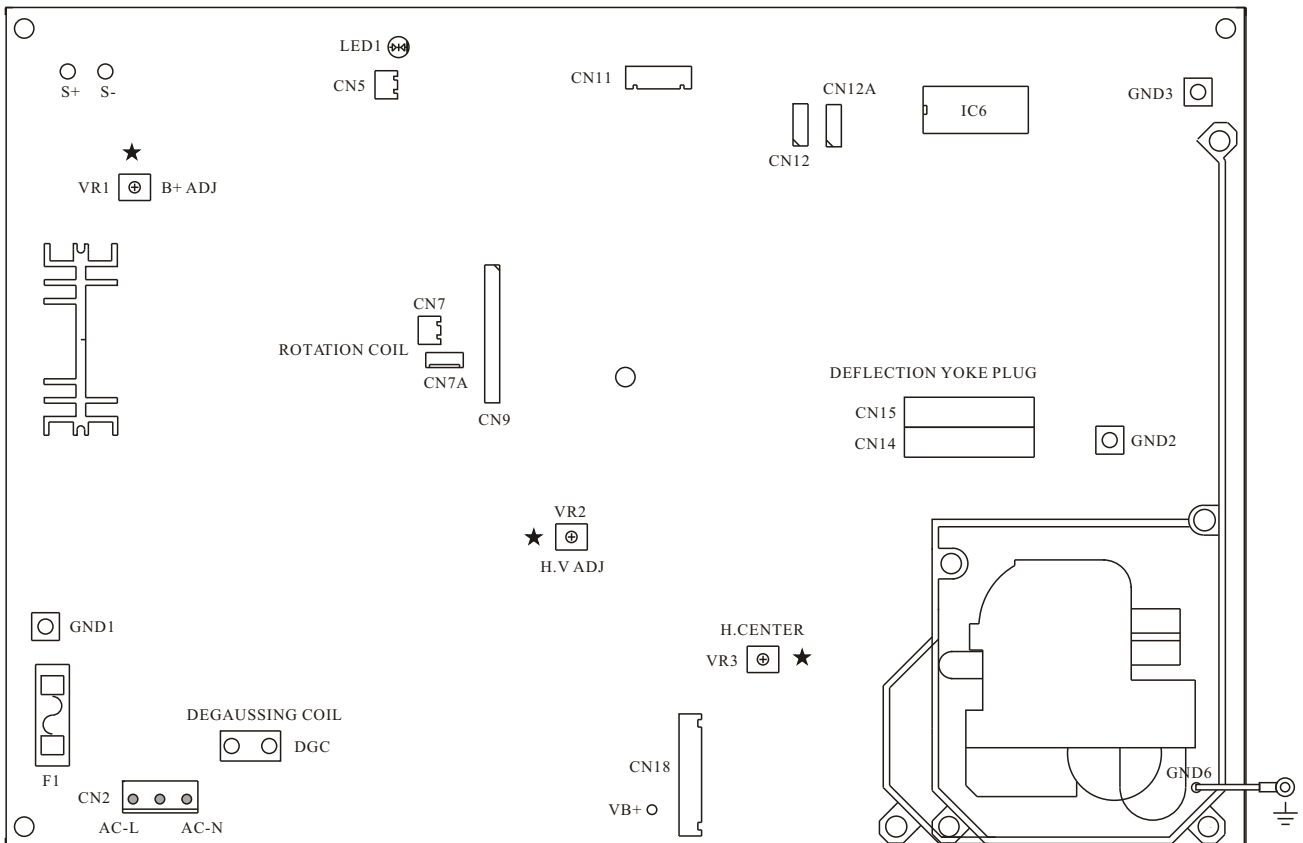
You may push key of [ADJ -] or [ADJ +] to make it better if there are moire on screen.

## **16. LANGUAGE**

You may choose English or Chinese display on function window.

# MAIN BOARD

" ★ " Default setting already , don't adjust .

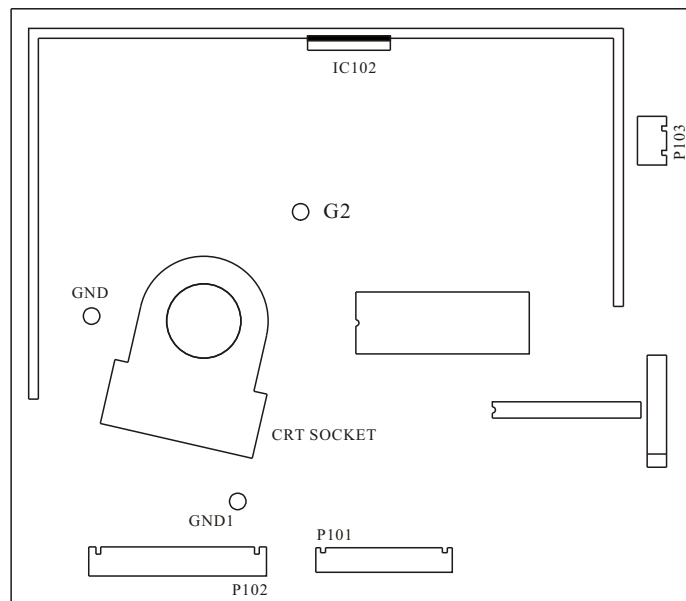


★ FOCUS 1/SCREEN

FOCUS1  
SCREEN

To be adjusted to the best status.  
Adjust to the cut-off point.

# CRT BOARD



## 6. SPECIFICATION

1. DESCRIPTION : 29 " HIGH RESOLUTION MONITOR
2. VIDEO INPUT : ANALOG(75 ohm) 0.7VPP,TTL 2.5-5.0VPP
3. SYNC : TTL 2.5~5.0Vpp NEGATIVE OR POSITIVE(SEPARATE,COMPOSITE)
4. OSD ADJUSTMENT FUNCTIONS :  
 CONTRAST , BRIGHTNESS , H.POSITION , H.SIZE , V.POSITION , V.SIZE ,  
 ROTATION , RECALL,PINCUSHION , TRAPEZOID , PARALLEL , BOW ,  
 MOIDE , LANGUAGE , DEGAUSS , RECALL .
5. R/G/B ADJ . FACTORY PRESET .
6. POWER INPUT : 90-240VAC , 50/60Hz ,2.5A
7. SIGNAL CONNECTOR : 15PIN D-SUB CONNECTOR (FEMALE)  
 6 PIN CONNECTOR(MALE)
8. SIGNAL CABLE : 15PIN D-SUB (MALE TO MALE)  
 6 PIN SIGNAL WIRE(FEMALE)
9. PACKING DIMENSION (mm) : TBD
10. WEIGHT APPROX. : 47KG
11. OPERATING TEMPERATURE 0~40°C , HUMIDITY 10~80%
12. OTHER :

MODEL	SIZE	DOT ( mm)	RESOLUTION	H-FREQ	V-FREQ	BAND WIDTH
29" Pure flat	29" DYNA	0.79	800*600	15-40KHZ	47-90HZ	90MHZ

# 7. KEYBOARD BASE MECHANICAL DRAWING

