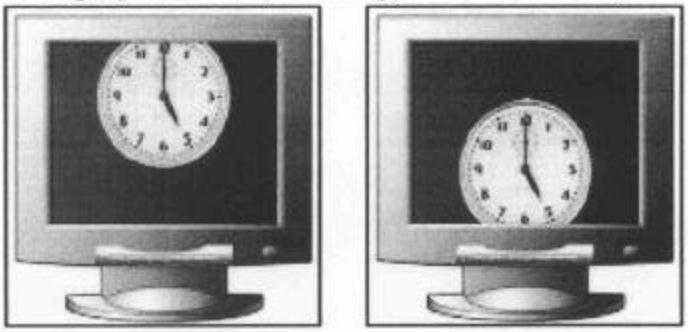
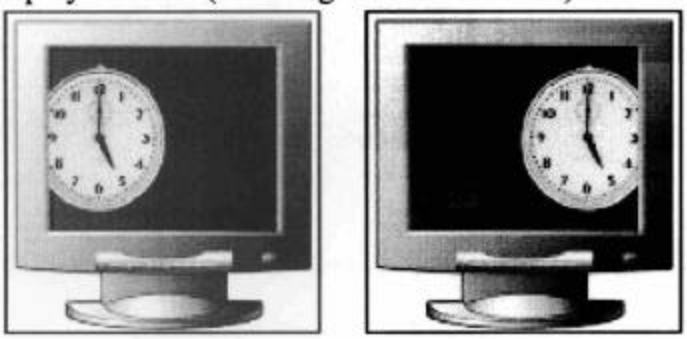
Setting menu	Sub-menus		Description
	Color	Saturation	•Adjusts the digital saturation.
		Hue	•Adjusts the digital hue.
		Flesh tone	•Adjusts the flesh tone.
	Language	English	•Selects the English language.
		Deutsch	•Selects the Deutsch language.
		Français	•Selects the Français language.
		Español	•Selects the Español language.
		Italiano	•Selects the Italiano language.
	Source Select	Analog	•Selects the Analog RGB.
		Digital	•Selects the Digital RGB.
		Video	•Selects the Video.
		S-Video	•Selects the S-Video.
	Miscellaneous	Factory Reset	•Displays the factory-preset value.
		OSD Timeout	•Adjusts the OSD screen appearing time.
		OSD Position	•Adjusts the OSD position.
		Blending	•Adjusts the blend levels.

Refining the picture

Step 1	At first display, a full screen, such as window background or "H" character should be achieved by using editor.
Step 2	Adjust the screen to the center of the display (LCD), by using the top and bottom display controls (i.e. using V-Position menu). 
Step 3	Adjust the screen to the center of the display (LCD) by using the right and left display controls (i.e. using H-Position menu). 
Step 4	Adjust the Phase until the "H" character displays clear. 
Step 5	Using the Contrast, Brightness, set the Color to your preference.
Step 6	When you finish the adjustment, you can save your settings by pressing on the menu until the OSD screen has disappeared.

Power management function

This monitor is equipped with a DPMS(Display Power Management Signaling) function that automatically cuts the power dissipation down to less than 5W when the computer is left unattended.
Although the monitor can be left in power-saving mode for longer periods, we recommend that you turn it off after your daily work.

Status	Description
Green	Power on.
Amber	Power saving.

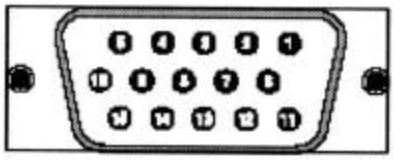
Video input terminal

A 15Pin D-Sub connector is used as the input signal connector.
Each pin and assignment is shown in the table below.

(Analog)

Pin No.	Signal Name	Pin No.	Signal Name
1	RED	9	N.C.
2	GREEN	10	GROUND
3	BLUE	11	GROUND
4	GROUND	12	DDC SDA
5	GROUND	13	H-Sync
6	RED Ground	14	V-Sync
7	GREEN Ground	15	DDC SCL
8	BLUE Ground		

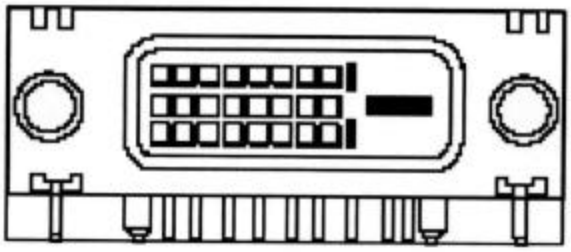
15Pin D-Sub connector



(DVI-V tmds digital RGB)

Pin No.	Assignment	Pin No.	Assignment	Pin No.	Assignment
1	DATA2-	11	DATA SHIELD	21	DATA 5+
2	DATA2+	12	DATA 3-	22	CLOCK SHIELD
3	SHIELD	13	DATA 3+	23	CLOCK+
4	DATA 4-	14	+5V POWER	24	CLOCK-
5	DATA 4+	15	GROUND(5V)		
6	DDC CLOCK	16	HOT PLUG DETECT		
7	DDC DATA	17	DATA 0-		
8	N.C	18	DATA 0+		
9	TATA1-	19	SHIELD		
10	DATA1+	20	DATA 5-		

D-SUB DRAWING(CN10)



Display modes

For the display modes listed below, the screen image has been optimized during production.

Preset timing modes. **(Analog)**

Mode	Display Mode	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Standard Type
VGA	640 x 350	31.5KHz	70Hz	IBM?
	720 x 400	31.5KHz	70Hz	IBM?
	640 x 480	31.5KHz	60Hz	Industry Standard
	640 x 480	37.9KHz	72Hz	VESA Standard
	640 x 480	37.5KHz	75Hz	VESA Standard
	640 x 480	43.3KHz	85Hz	VESA Standard
SVGA	800 x 600	35.2KHz	56Hz	VESA Guidelines
	800 x 600	37.9KHz	60Hz	VESA Guidelines
	800 x 600	48.0KHz	72Hz	VESA Standard
	800 x 600	46.9KHz	75Hz	VESA Standard
	800 x 600	53.7KHz	85Hz	VESA Standard
XGA	1024 x 768	48.4KHz	60Hz	VESA Guidelines
	1024 x 768	56.5KHz	70Hz	VESA Standard
	1024 x 768	60.0KHz	75Hz	VESA Standard
	1024 x 768	68.7KHz	85Hz	VESA Standard
SXGA	1280 x 1024	64.0KHz	60Hz	VESA Standard
	1280 x 1024	80.0KHz	75Hz	VESA Standard

(Digital)

Mode	Display Mode	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Standard Type
VGA	640 x 350	31.5KHz	70Hz	IBM?
	720 x 400	31.5KHz	70Hz	IBM?
	640 x 480	31.5KHz	60Hz	Industry Standard
	640 x 480	37.9KHz	72Hz	VESA Standard
	640 x 480	37.5KHz	75Hz	VESA Standard
SVGA	800 x 600	35.2KHz	56Hz	VESA Guidelines
	800 x 600	37.9KHz	60Hz	VESA Guidelines
	800 x 600	48.0KHz	72Hz	VESA Standard
	800 x 600	46.9KHz	75Hz	VESA Standard
XGA	1024 x 768	48.4KHz	60Hz	VESA Guidelines
	1024 x 768	56.5KHz	70Hz	VESA Standard
	1024 x 768	60.0KHz	75Hz	VESA Standard
SXGA	1280 x 1024	64.0KHz	60Hz	VESA Standard

Troubleshooting

Warning : This section will try to anticipate potential problems that you may encounter in the day-to-day use of your monitor.
If after trying the suggested solutions, your monitor' s symptom remains the same, contact your authorized service center.

Troubleshooting problems

Problems		Corrective Actions
No Picture	LED Green	• Using OSD, adjust Brightness and Contrast to maximum or reset to their default settings.
	LED OFF	• Check the power switch. • Check if the AC power cord is properly connected to the AC adapter.
	LED Amber	• Check if video signal cable is properly connected at the back of monitor. • Check if the power to computer system is ON.
Display is not clear		• Adjust the Frequency and Phase settings.
Too light or too dark		• Adjust the Brightness and Contrast settings.
Image is not centered		• Adjust the Horizontal and Vertical position settings using the OSD.

Problems	Corrective Actions
Out of Range	• Check the maximum resolution and the frequency on the video port of your computer.
Picture is scrambled	• Check the signal cable connection between the computer and monitor.
Picture is fuzzy	• Perform Auto adjust.
Picture bounces or has wavy oscillations	• Check the signal cable connection between computer and monitor.
Picture appears to be ghosting	• Check the signal cable connection between computer and monitor.
Color is not uniform	• Adjust the color settings using the color temperature menu.
The colors are distorted with dark or shadowed areas	• Adjust the color settings using the color temperature menu.
The power indicator is blinking amber	• The monitor is using its power management system. Check the power management utility on your computer.

Specifications

LCD viewable size	Type	17" viewable diagonal TFT type
	Pixel pitch	0.264(H) x 0.264(V)mm
	Viewable angle	Horizontal / Vertical / Up / Down : 80 degrees
	Glass surface	Anti-glare, Hard coating.
Contrast ratio		300:1 (Typical)
Response time		20ms(Rising), 15ms(Falling)
Display mode		Normally black
Brightness		200 cd/ m^2
INPUT	VGA	RGB Analog, Digital DVI-V, Video, H/V Separate (TTL) Fh : 31.5 to 80 KHz Fv : 56 to 75 Hz
Input resolution		From VGA up to 1280 x 1024 at 75Hz
I/O Connectors		Audio In / Out, DC Power in, DVI-V, VGA 15-pin D-sub, Video, S-Video
Power		AC 100~240V, 50/60Hz Input 12V, 5A Max DC Output
User controls		Auto-Adjustment, Brightness, Contrast, Position, Image, Audio, Color, Language, Source select, Miscellaneous
Displayable color		16.7 M (Full Color)
Displayable area		337.92mm(H) x 270.336mm(V)
Temperature	Operation	0°C ~ 40°C (32°F ~ 104°F)
	Storage	-25°C ~ 60°C (-13°F ~ 140°F)
Dimensions	Physical	444.0mm(W) x 452.7mm(H) x 241.4mm(D)
Weight	Net	7.2Kg (15.66lbs)
	Gross	10.1Kg(21.97lbs)
Regulations		UL/cUL, CE, CB, TUV/GS, MPR II, FCC-B, TCO99, VCCI
Plug & play		VESA DDC 1/2B
Power management		VESA DPMS Compatible

Information to user : PART 15, PARAGRAPH 15.21

The users manual or instruction manual for an intentional or unintentional radiator shall caution the user changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

FCC Notice

For a Class B digital device or peripheral, the instructions furnished the user include the following or similar statement, placed in a prominent location in the text of the manual :

NOTE : 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.