

## INTRODUCTION

Thank you for the purchase of ADI's MicroScan GT56/G56 color monitor! MicroScan GT56/G56 offers a maximum resolution of 1600 x 1200 at 75Hz and is a high-contrast color monitor that addresses and satisfies the needs of business, desktop publishing and CAD/CAM users. The user's manual offers complete information for better understanding of installation and operation.

### Features

- 17-inch (16-inch viewable image) microprocessor- based display.
- Plug and Play functionality automatically adjusts the monitor to its optimum performance.
- The VESA DPMS-compliant power-saving feature automatically powers down the monitor after a user-defined period of inactivity.
- All parameters in each of the display modes reside in the microprocessor-based control system. Settings are built in for existing VGA standards, 800 x 600, 1024 x 768, 1280 x 1024 and 1600 x 1200 modes.
- EasyScreen™ allows on-screen easy adjustment of Horizontal Size/Position, Vertical Size/Position, Pincushion, Pin Balance, Trapezoid, Parallelogram, Tilt, Horizontal Moire, Vertical Moire, Color Adjustments, H-Convergence, V-Convergence, Degauss, Languages, Power Saver, Display Mode, Serial Number, Master Reset, USB Hot Key, Factory Reset, Corner, V-Linearity and H-Linearity.
- Built-in microphone picks up voice for teleconferencing and voice recognition applications.
- MicroScan GT56 adopts new Trinitron® CRT and anti-reflection surfacetreatment to perform outstanding quality image and suits for various GUI and Windows graphics applications. Mew flat "Trinitron®" screen is less mottling, low EMI radiation structure

and surfaced with Anti-Reflection Treatment Screen (AR.t).

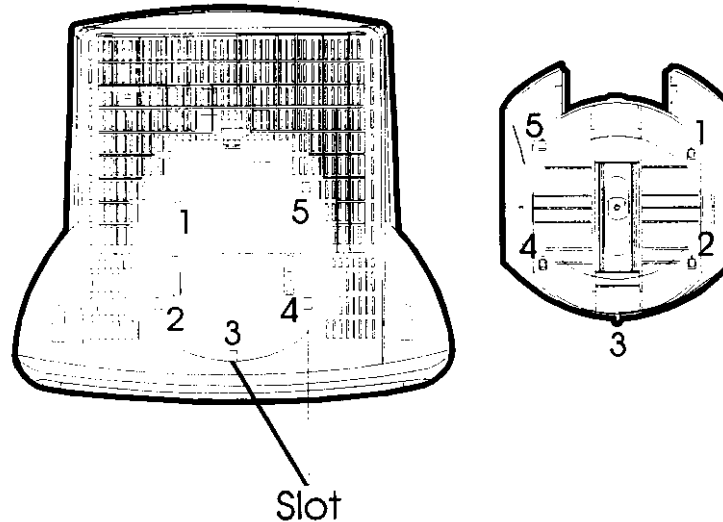
## Unpacking

Check that five items are present and in good condition:

1. MicroScan GT56/G56 Color Monitor (with Video Signal Cable)
2. Assembly Base
3. Power Cord
4. Microphone Cable (Stereo type)
5. User Manual

## GETTING STARTED

### Installing the Assembly Base



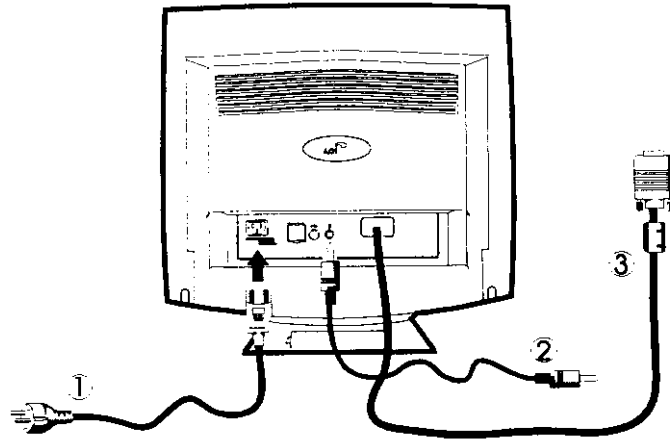
Put the labeled hooks onto the corresponding slots on the bottom of the monitor. Push down and forward the base

### Removing the Assembly Base

Push down the lock located between #1 and #5 and remove the base by

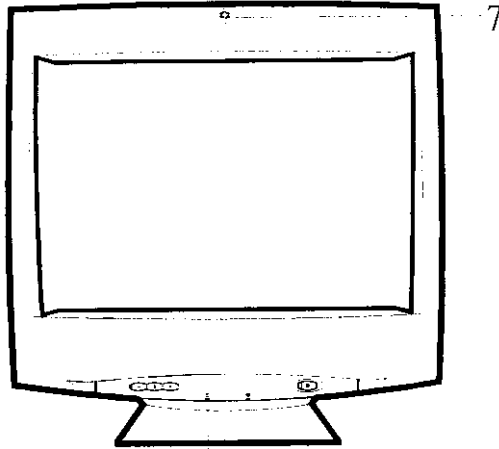
lifting up the base.

## Connecting your monitor



1. Turn off the power of your computer and other devices.
2. With the monitor switched off, attach ① the power cord to the monitor and then to a grounded power outlet.
3. Connect ② the microphone cable one end to the rear of your monitor and the other end to the back of your computer.
4. Connect ③ the video signal cable of the monitor to the 15-pin connector of the video port in your computer.
5. Turn on the monitor and computer. The monitor will not function during a power failure.
6. If necessary, adjust the front panel controls accordingly to your personal preference.

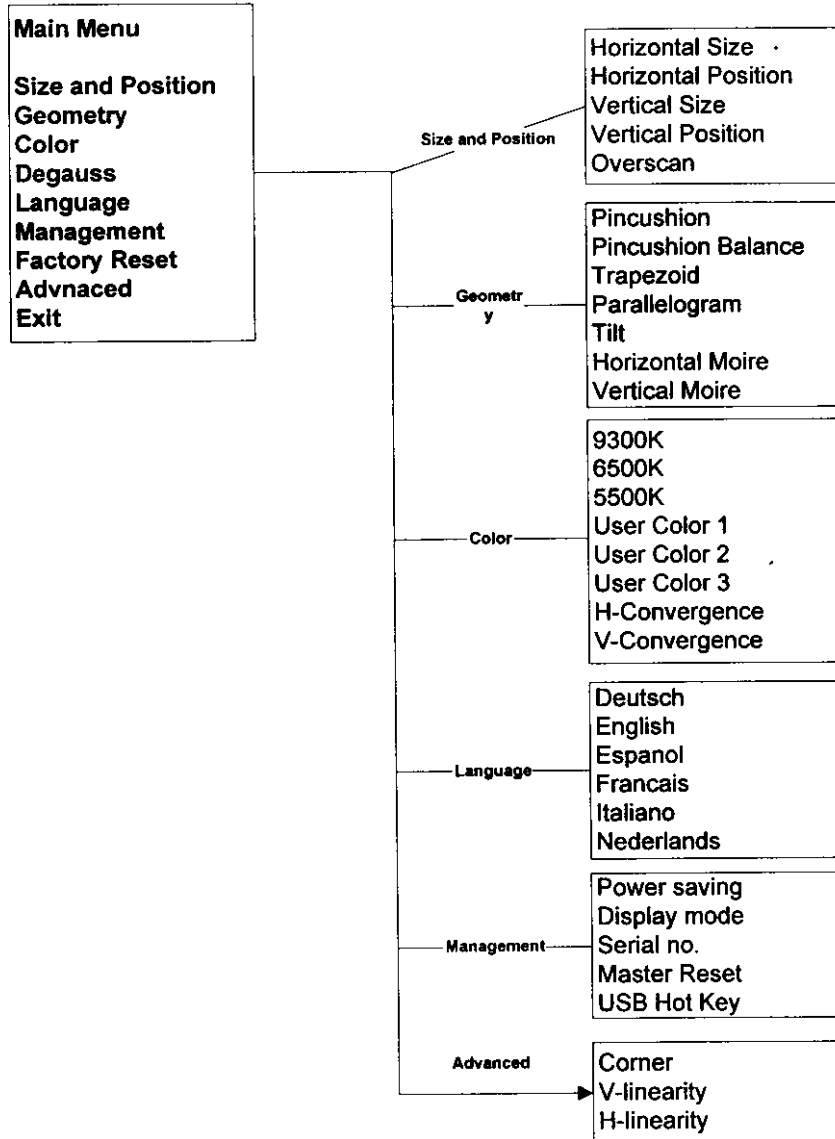
## LOCATION OF CONTROLS



1 2 3 4 5 6

- ① **Decrease** - Scrolls down and decrease the value of a parameter in EasyScreen™.
- ② **Function** ◇ Displays EasyScreen™ on-screen display.
- ③ **Increase** + Scrolls up and increase the value of a parameter in EasyScreen™.
- ④ **Contrast** ● Adjust the image brightness in relation to the background.
- ⑤ **Brightness** ☀ Adjust the overall image and background brightness level.
- ⑥ **Power** Ⓛ Turns the monitor On/ OFF. The green light or no light signals ON or OFF respectively.
- ⑦ **Microphone** Built-in microphone is located at the top of the screen.

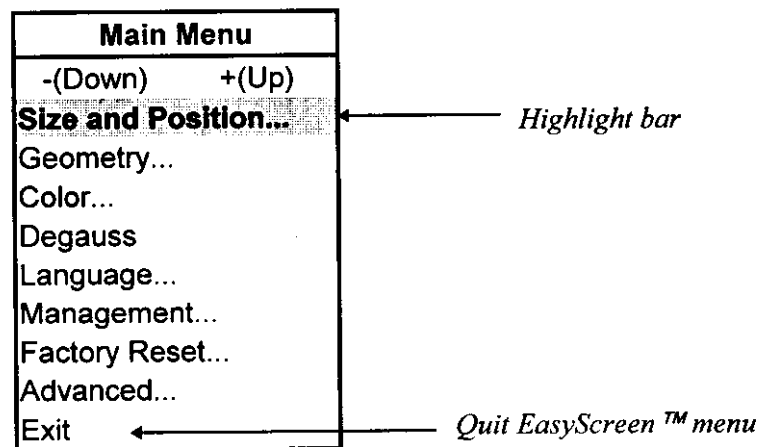
## Quick glance



## EASYSCREEN™ ADJUSTMENT CONTROLS

Step 1: Press <Function> key on the front panel to show the Main Menu.

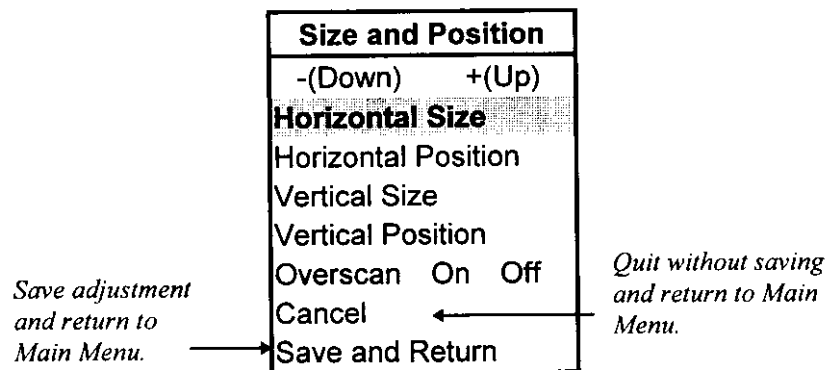
Step 2: Press <+> or <-> key to scroll up or down the Main Menu and then press <Function> key to enter into the secondary menu.



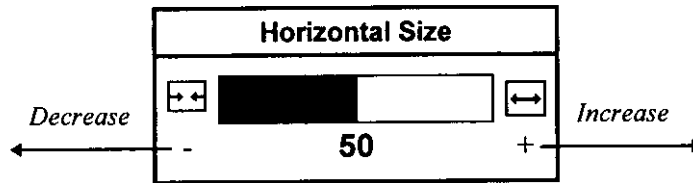
### Size and Position

Step 1: Use <+> or <-> key to scroll up or down.

Step 2: Press <Function> key to select a parameter in Size and Position menu.



### Second level menu:



- Step 1: Use <+> or <-> key to adjust parameter.
  - Step 2: Press <Function> key to save the adjustment and return to the Size and Position menu.
  - Step 3: If any adjustment of a parameter is made, the light bar will automatically show on Save and Return once you get out of second menu of Size and Position menu. Press <Function> key to confirm the changes.
- If no adjustment is made, the highlight bar will lay on Cancel.

Functions	-	+	Description
<b>Horizontal Size:</b>			Increases or decreases the screen size horizontally.
<b>Horizontal Position:</b>			Moves the screen position left or right.
<b>Vertical Size:</b>			Increases or decreases the screen size vertically.
<b>Vertical Position:</b>			Moves the screen position up or down.
<b>Overscan:</b>	On	Off	Zooms to full screen display.

### Geometry

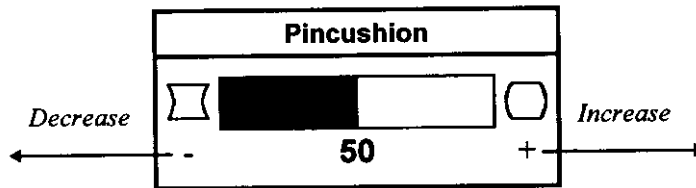
- Step 1: Use <+> or <-> key to scroll up or down.
- Step 2: Press <Function> key to select a parameter in Geometry menu.

**Geometry**



-(Down)	+(Up)
<b>Pincushion</b>	
Pincushion Balance	
Trapezoid	
Parallelogram	
Tilt (Rotation)	
Horizontal Moire	
Vertical Moire	
Cancel	
Save and Return	

**Second level menu:**



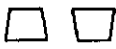




Step 1: Use <+> or <-> key to adjust parameter.

Step 2: Press <Function> key to save the adjustment and return to the Geometry menu.

Step 3: If any adjustment of a parameter is made, the light bar will automatically show on Save and Return once you get out of second menu of Geometry menu. Press <Function> key to confirm the changes.

If no adjustment is made, the light bar will lay on Cancel.

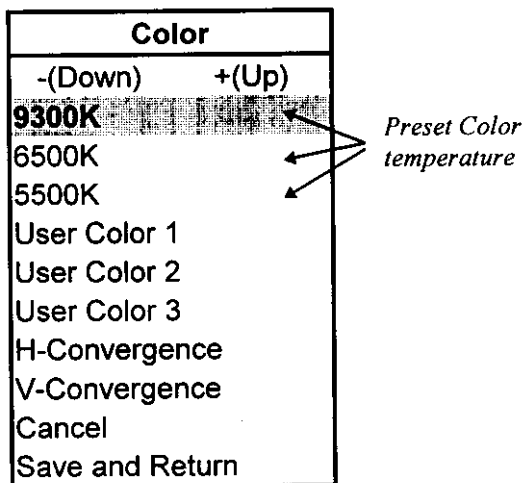
Functions	-	+	Description
<b>Pincushion:</b>			Curves left and right sides of the screen inward or outward.
<b>Pincushion Balance:</b>			Adjsuts the concavity of the screen.

<b>Trapezoid:</b>		Minimizes trapezoid distortion of the screen.
<b>Parallelogram:</b>		Adjusts the parallelogram of the screen.
<b>Tilt (Rotation):</b>		Rotates image clockwise or counter clockwise.
<b>Horizontal Moire:</b>		Removes the horizontal moire patterns.
<b>Vertical Moire:</b>		Removes the vertical moire patterns.

## Color

Step 1: Use <+> or <-> key to scroll up or down.

Step 2: Press <Function> key to select a parameter in Color menu.



Functions	Description
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<b>9300K</b>	Preset color mode 1
<b>6500K</b>	Preset color mode 2
<b>5500K</b>	Preset color mode 3
<b>User Color 1</b>	Adjusts parameters for the colors Red, Green and Blue
<b>User Color 2</b>	Adjusts parameters for the colors Red, Green and Blue
<b>User Color 3</b>	Adjusts parameters for the colors Red, Green and Blue
<b>H-Convergence</b> <b>H-CG</b>	Corrects the horizontal convergence of red, green and blue components of image.
<b>V-Convergence</b> <b>V-CG</b>	Corrects the vertical convergence of red, green and blue components of image.

**Second level menu:**

<b>User Color 1</b>	
- (Down)	+(Up)
-	74
G	55
B	100
Reset to 9300K	
Cancel	
Save and Return	

*Highlight block* →

The highlight block will lay on R once you get into User Color 1/2/3 menu.

**Step 1:** Use <+> or <-> key to scroll up and down the menu.

**Step 2:** Press <Function> key to select between R/G/B parameter.

You may select Reset to 9300K as well if you prefer preset color temperature.

**Step 3:** Once you see R/G/B block in blinking, use <+> or <-> key to

adjust parameter.

Step 4: Press <Function> key to finish the parameter adjustment.

Step 5: Once you finish adjustments, scroll the highlight bar to Save and Return to save and return to Color menu.

Select Cancel will quit User Color 1/2/3 without saving adjustments.

### Language

Press <Function> key to choose from the English, German, French, Spanish and Italian/Dutch(Nederlands) to your EasyScreen™. Each language appears in its own native translation. Upon selecting a language, the following menu will be displayed in that language.

Step 1: Use <+> or <-> key to scroll up or down.

Step 2: Press <Function> key to select a parameter in Language menu.

Language	
-(Down)	+(Up)
<b>Deutsch</b>	
English	
Español	
Français	
Italiano	
Nederlands	
Cancel	

### Management

Step 1: Use <+> or <-> key to scroll up or down.

Step 2: Press <Function> key to enter different functions as indicated below:

Management	
-(Down)	+(Up)
<b>Power saver</b>	
Display mode	
Serial No.	
Master Reset	
USB Hot Key	←
Exit	

*USB OSD software is an optional accessory; only available to purchase of USB hub base.*

**Second level menu:**

**Power Saver:** Activates or deactivates Display Power Management System (DPMS).



Step 1: Use <+> or <-> key to select On/Off.

Step 2: Press <Function> key to return to the Management menu.

**Display Mode:** Activates or deactivates on-screen display of Preset Mode or User Mode by mode change.



Step 1: Use <+> or <-> key to select On/Off.

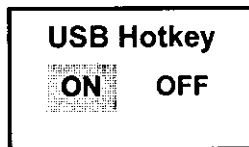
Step 2: Press <Function> key to return to the Management menu.

**Serial no.:** Shows the serial number of this monitor.

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**Master Reset:** Resets the current mode of the screen to its of factory settings and clear user mode information.

**USB Hot Key:** Activates or deactivates USB monitor control.



Step 1: Use <+> or <-> key to select On/Off.

Step 2: Press <Function> key to return to the Management menu.

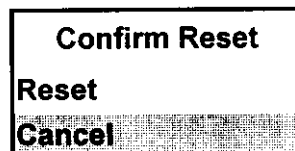
*Notes: For USB hub and monitor control installation or further details, please refer to USB hub user's manual.*

### Factory Reset

Factory Reset is to reset the on-screen parameters to its factory settings. The default is Cancel.

Step 1: Use <+> or <-> key to select between Reset/Cancel.

Step 2: Press <Function> key to reset/cancel and return to the main menu.



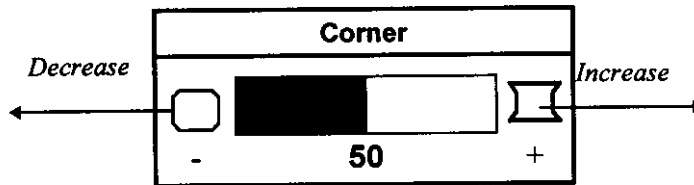
### Advanced

Step 1: Use <+> or <-> key to scroll up or down.

Step 2: Press <Function> key to select a parameter in Advance menu.

Advance	
-(Down)	+(Up)
<b>Corner</b>	
V-Linearity	
H-Linearity	
Cancel	
Save and Return	

**Second level menu:**



- Step 1: Use <+> or <-> key to adjust parameter.
- Step 2: Press <Function> key to save the adjustment and return to the Advanced menu.
- Step 3: If any adjustment of a parameter is made, the light bar will automatically show on Save and Return once you get out of second menu of Advanced menu. Press <Function> key to confirm the changes.
- If no adjustment is made, the light bar will lay on Cancel.

Functions	-	+	Description
Corner			Curves the corners of the screen.
V-Linearity			Corrects the vertical linearity of upper half/lower half parts of the screen proportionally.
H-Linearity			Corrects the horizontal linearity of left/right half parts of the screen proportionally.

## EXIT

Quit the EasyScreen™ on-screen display.

## TROUBLE SHOOTING

Warning messages	Possible causes	What to do
Input signal out of range	Power LED is in flash amber. Input signal of H-sync or V-sync is larger or smaller than its normal mode	Monitor will be in protect mode.
Check video cable	VGA cable is not properly connected.	Check VGA cable. This OSD message will stay on screen until VGA cable is connected to PC or Power switch is turned off.

## POWER CONSUMPTION

The monitor comes with a power saving feature that controls the power consumption of the monitor; therefore, you may put the monitor into a reduced power consumption state when it is not in use. This feature complies with both EPA's Energy Star requirements and European NUTEK/TCO's power management guidelines. It conforms with Video Electronics Standard Association (VESA) approved DPMS power-down signaling method.

Mode	H-sync	V-sync	Power consumption
Normal	active	active	140 watts (max.)
Suspend/Standby	active	inactive	15 watts (max.)
	inactive	active	15 watts (max.)
Off	inactive	inactive	5 watts (max.)



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## PRESET MODES

There are 20 preset modes and 15 user modes. The following modes are preset as factory defaults:

Preset mode	F <sub>H</sub>	F <sub>V</sub>	Standard
640 x 480	31.5 kHz	60 Hz	VESA
720 x 400	31.5 kHz	70 Hz	VGA
640 x 350	31.5 kHz	70 Hz	VGA
640 x 480	37.5 kHz	75 Hz	VESA
640 x 350	37.9 kHz	85 Hz	VESA
800 x 600	37.9 kHz	60 Hz	VESA
720 x 400	38.0 kHz	85 Hz	VESA
640 x 480	43.3 kHz	85 Hz	VESA
800 x 600	46.9 kHz	75 Hz	VESA
1024 x 768	48.4 kHz	60 Hz	VESA
832 x 624	49.7 kHz	75 Hz	MAC*
800 x 600	53.6 kHz	85 Hz	VESA
1024 x 768	60.0 kHz	75 Hz	VESA
1280 x 1024	64.0 kHz	60 Hz	VESA
1152 x 870	68.7 kHz	75 Hz	VESA
1024 x 768	68.7 kHz	85 Hz	VESA
1600 x 1200	75.0 kHz	60 Hz	VESA
1280 x 1024	80.0 kHz	75 Hz	VESA
1280 x 1024	91.1 kHz	85 Hz	VESA
1600 x 1200	93.8 kHz	75 Hz	VESA

\* Video cable adapter needed for Macintosh and Quadra resolutions.

## SPECIFICATIONS

<b>Picture Tube</b>	<b>MicroScan G56:</b> 17" (16" diagonal viewable image) 0.26mm dot pitch FST tube with enhanced contrast, dark-tinted CRT, invar shadow mask, advanced anti-reflection, anti-glare, and anti-static coating with low electromagnetic field.	
	<b>MicroScan GT56:</b> 17" (16" diagonal viewable image) 0.25mm aperture grille pitch <b>Trinitron</b> <sup>®1</sup> tube with less mottling, low EMI radiation structure, surfaced with Anti-Reflection Treatment Screen (AR.t) <sup>2</sup> and anti static coating with low electromagnetic field.	
<b>Rec. Resolution</b>	1600 x 1200@ 75Hz, 1280 x 1024@ 85Hz	
<b>Deflection Frequency</b>	Horizontal:	30 to 95 KHz
	Vertical:	50 to 160 Hz
<b>Max. Video Input Bandwidth</b>	202.5 MHz	
<b>Display Area*</b>	Factory Setting:	approx. 300mm x 225 mm
	Active Area:	approx. 326mm x 241 mm
<b>Input Signals</b>	Video:	Analog. 0.7 V
	Sync:	Digital 3.3 V
<b>Input Connector</b>	15-pin D-sub Type	
<b>Display Colors*</b>	Analog input; unlimited colors	
<b>Power Source</b>	90 - 132 VAC, 180 - 264 VAC (Auto-range)	
<b>Power Consumption</b>	140 watts (max.)	

<b>Power Management</b>	EPA/Energy Star, NUTEK/TCO compliant VESA DPMS signaling method
<b>PnP Compatibility</b>	VESA DDC 1 & 2B standards compliant
<b>USB hub (option)</b>	Locally powered hub with 4 downstream ports and 1 upstream port. (+5V, 2Amps. max.; 0.5Amps. each port) Monitor control class
<b>Audio</b>	Speakers 3W x 2 (option) Built-in microphone
<b>Front Panel Controls</b>	-(Decrease), Function key, +(Increase), Contrast, Brightness, POWER
<b>EasyScreen™</b>	H-Size, H-Position, V-Size, V-Position, Overscan, Pincushion, Pincushion Balance, Trapezoid, Parallelogram, Tilt, Moire, Color Adjustment, H-Convergence, V-Convergence, Degauss, Language, Management (Power Saver, Display Mode, Serial No., Master Reset), Corner, H-Linearity, V-Linearity and Factory Reset
<b>Safety Regulations</b>	UL, CSA, TÜV, NORDIC (NEMKO, SEMKO, FIMKO, DEMKO), LVD
<b>EMI</b>	FCC Class B, CISPR 22, VCCI CE, BCIQ, RFS49, EMC certified
<b>Ergonomics</b>	DHHS, ZH 1/618, ISO 9241-3, TCO95
<b>Monitor Dimension</b>	438.7mm(W) x 441mm(H) x 440.5mm(D)
<b>Net Weight</b>	21 kg
<b>Ambient Temperature</b>	Operating: 0°C - 40°C Storage: -20°C - 65°C

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<b>Humidity</b>	<b>Operating:</b>	20% - 95%
	<b>Storage:</b>	10% - 95%

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*\* Dependent on video controller/ card used*

- 1 "Trinitron®" is a registered trademark of Sony Corporation.
- 2 "AR.t screen/Anti Reflection Treatment Screen" is a newly developed coating technology for CRT introduced by Sony Corporation.

**NOTICE:**

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