



**17" – 19" PROFESSIONAL ACTIVE MATRIX LCD
COLOUR MONITOR
ART. 41627 - 41629**



Please read this manual thoroughly before use
and keep it for future reference.



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WARNINGS AND CAUTIONS

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. DO NOT INSERT ANY METALLIC OBJECT THROUGH THE VENTILATION GRILLS OR OTHER OPENINGS ON THE EQUIPMENT.

CAUTION



Explanation of graphical symbols



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to person.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

The user is obliged to inform himself and to conform himself to the national and local rules concerning the monitoring and the audio and video recording. Nobody else will consequently be held responsible for an improper use of this system which could break the laws in force.

FCC COMPLIANCE STATEMENT.

FCC INFORMATIONS: THIS EQUIPMENT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS FOR 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, USE 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, THE USER IS ENCOURAGED TO CORRECT THE INTERFERENCE TO OWN EXPENSES.

CAUTION: CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

THIS CLASS B DIGITAL DEVICE COMPLIES WITH CANADIAN RULES ICES 003

CE COMPLIANCE STATEMENT

WARNING:

THIS IS A CLASS B DIGITAL DEVICE. IN A DOMESTIC ENVIRONMENT THIS PRODUCT MAY CAUSE RADIO INTERFERENCE, IN WHICH CASE THE USER MAY BE REQUIRED TO TAKE ADEQUATE MEASURES.

IMPORTANT SAFEGUARDS

1. **READ AND KEEP THESE INSTRUCTIONS**

Please read this manual thoroughly before use and keep it for future reference.

2. **CLEANING**

Unplug this equipment from the wall outlet before cleaning it. Use a mild household detergent, never use strong solvent. Clean the unit with a slightly damp soft cloth.

3. **ATTACHMENTS**

Never add any attachments and/or equipment without the approval of the manufacturer as such additions may result in the risk of fire, electric shock or other personal injury.

4. **WATER AND/OR MOISTURE**

Do not use this equipment near water or in contact with water.

5. **ACCESSORIES**

Do not place this equipment on an instable cart, stand or table. The equipment may fall, causing serious injury to a child or adult, and serious damage to the equipment. Wall or shelf mounting should follow the manufacturer's instructions and should use a mounting kit approved by the manufacturer. This equipment and cart combination should be moved with care. Quick stops, excessive force and uneven surfaces may cause the equipment and cart combination to overturn.

6. **VENTILATION**

If existing, the openings or ventilation grills of the device have been planned with the scope to supply ventilation to the apparatus, to assure a reliable operation of the same and to protect it from overheating. Do not block or cover these openings.

7. **POWER SOURCES**

This equipment should be operate only from the type of power source indicated on the marking label. If you are not sure of the type of power, please consult your equipment dealer or local power company. Warning if this equipment works with battery, risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the local law.

8. **GROUNDING**

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wider blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

9. **POWER AND CONNECTION CABLES PROTECTION**

Protect the cables from being walked on or pinched particularly at plugs and the point where they exit from the equipment.

10. **LIGHTNING STORM**

For added protection for this equipment during a lightning storm or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the equipment due to lightning and power line surges.

11. OVERLOADING

Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.

12. SERVICING

Do not attempt to repair this equipment yourself. The opening and the movement of the covers could you expose at high voltage or other dangers. Refer all servicing to qualified service personnel.

13. DAMAGE REQUIRING SERVICE

Unplug this equipment from the wall outlet and refer servicing to qualified personnel under the following conditions:

- a. If the power supply cord or the plug has been damaged.
- b. If liquid is spilled or objects have fallen into the equipment.
- c. If the equipment has been exposed to rain or water.
- d. If the equipment does not operate normally by following the operating instructions. Adjust only those controls that are covered by operating instructions. An improper adjustment of other controls may result in damage.
- e. If the equipment has been dropped or the case damaged.
- f. If the equipment exhibits a distinct change in performance.

14. REPLACEMENT PARTS

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or that have the same characteristics as the original part. Unauthorized substitutions may results in fire, electric shock or other hazards.

15. SAFETY CHECK

Upon completion of any service or repairs to this equipment, ask the service technician to perform safety checks to determine that the equipment is in proper operating condition.

16. INSTALLATION IN PUBLIC PLACES

This kind of installation would have to be made by specialized personnel and to be in compliance with the local laws

TABLE OF CONTENTS

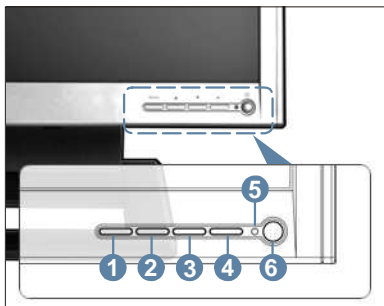
Features	7
Operating Instructions - Controls	8-9
Connections	10
User Controls	11
Specifications	14-15
Dimensional drawings	16

Features

- High Quality Advanced CCTV LCD Monitor
- Incredible Resolution with 540TVL
- De-Interlace technology Efficiently Eliminates Shaky and blurry image
- Progressive Scan
- 3D Comb Filter Function Clear image
- Superior Color Reproduction
- VESA Wall & Ceiling mount Compatible
- Noise Reductions
- Single control operated On-Screen Display user interface

Operating instructions

▣ FRONT controls



1. Menu / Exit

This button is used to bring up or disappear the controls menu.
Exits from the OSD system and the selected function

2. ▼(Down) / (Brightness)

Moves down the menu lists in the OSD
Selected brightness and decreases the value of brightness

3. ▲(UP) / (Source)

Moves up the menu lists in the OSD
While in the normal active (Not MENU DISPLAY) mode, this button is used to bring up Source select Menu (CVBS, S-VIDEO, RGB)

4. ↵(Select) / ❄(Freeze) / (AUTO)

Use this ↵ button to choose on the menu; then pushes the button:
- while in the CVBS, S-Video mode, press this button to FREEZE (❄) the picture for display.
Press again to exit the FREEZE image
- while in the RGB mode, press this button to AUTO adjust the H/V POS, H/V SIZE, and phase.

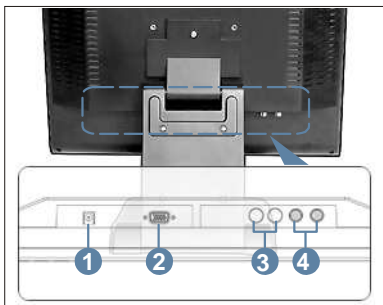
5. LED

A green indicator lights when the power is ON and have an input signal (the indicator blink when the power is ON and don't have an input signal.) A red indicator lights when the power is OFF

6. Power ON/OFF

When power is applied, the monitor will come ON. This button then turns the monitor ON and OFF.

▣ REAR connections



1. DC JACK

Place the plug from the supplied table-top power supply into the DC 12V connector.

Input at the monitor is 12 volts DC from the TT universal AC supply (100-240 Vac, see specifications table for AC/DC details).

2. RGB INPUT

Connect to the video output port on your PC or DVR

3. S-Video INPUT

Used to connect a S-Video signal from a camera or DVR

4. CVBS INPUT

Used to connect a BNC Video signal from a camera or DVR

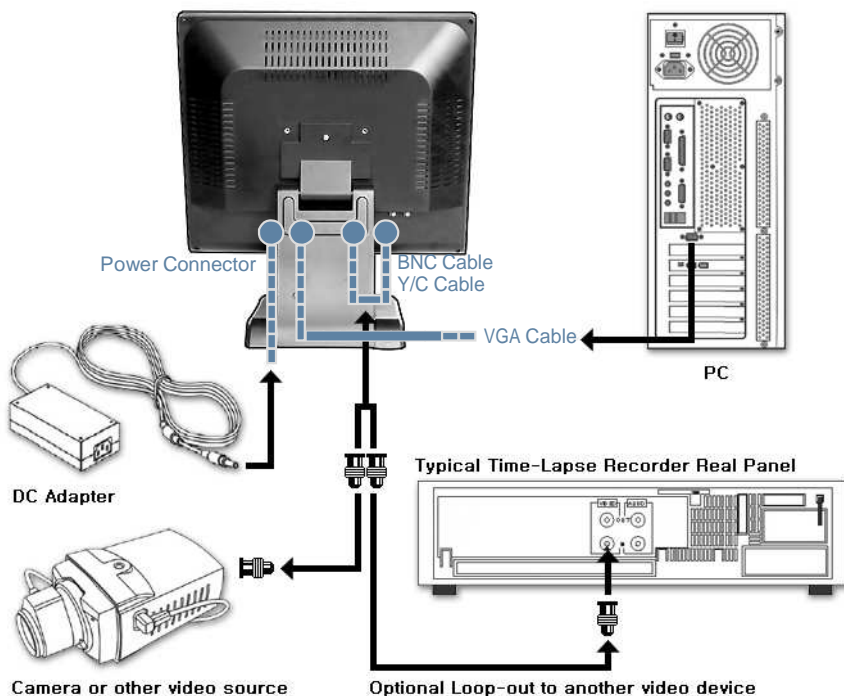
Connections

To make a normal connection to the monitor, bring a cord from a camera, or other video source to one of the BNC jacks or from a PC to the PC jack on the back of the monitor.

Either the left or right BNC jack can be used for input. The other jack may be optionally connected to another user of the same signal.

Auto Termination The input circuit of the monitor normally terminates the incoming cable in 75Ω , but these BNCs jack are auto-terminating. When two cables are connected, the internal termination is switched out, letting the final destination equipment provide the end termination.

This arrangement is also specially offered for the Y/C (S-Video) jacks.




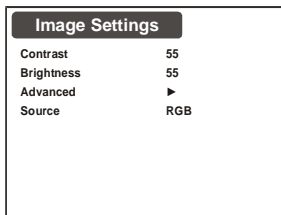
* Supplied item






- LCD monitor
- Power supply unit (DC 12V) / Power cord
- VGA Cable
- Operating instructions manual

User Controls

▣ RGB (PC) Mode

Press the MENU button and then the  button to display the **Image Settings** menu.

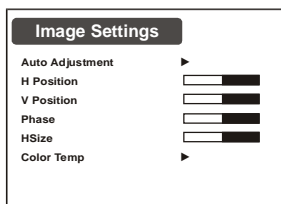


Select one of the options using  or  and then press the  button. Adjust the chosen item using  or .

Contrast, Brightness

Change the contrast & brightness according to personal preference.

Advanced



H Position is used to adjust the horizontal position of the image on the screen.

V Position is used to adjust the vertical position of the image on the screen.

Phase is used to adjust the focus of screen's image.

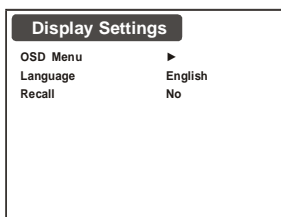
H Size is used to adjust the horizontal size of screen's image

Color Temp is used to control color temperature (6500K / 9300K)

Source

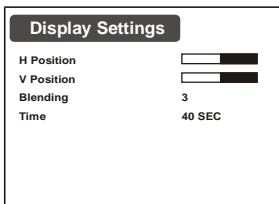
Selects between the CVBS (Composite IN/OUTPUT) or S-Video (Super Video IN/OUTPUT), RGB (PC input) to be displayed

Press the MENU button and then  to DISPLAY the **Display Settings** menu.



Press  button to ENTER in the **Display Settings** menu.

OSD Menu



H Position is used to adjust the horizontal position of the Menu window on the screen.

V Position is used to adjust the vertical position of the Menu window on the screen.

OSD Blending is used adjust the opaqueness of the background of the OSD.

OSD Time is used to adjust the OSD view time.


Language

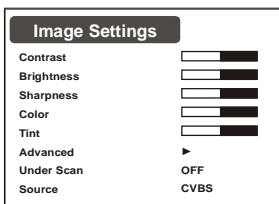
Change the OSD language according to personal preference

Recall

Recall the monitor original factory setting

▣ CVBS(& S-Video) Mode

Press the MENU button and then the  button to display the **Image Settings** menu.



Contrast, Brightness

Change the contrast, & brightness according to personal preference.

Sharpness

sets the desired sharpening enhancement to the picture.

Color

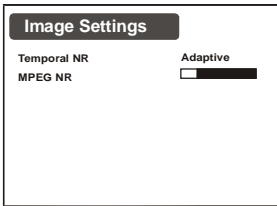
used to minutely adjust color.

Tint

adjusts all the colors on the screen, but is most noticeable to the eye in reds and yellows,

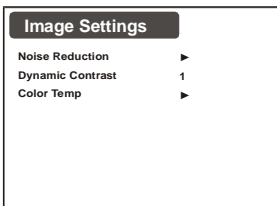
And is also usually set for pleasing face tones. (Appears in NTSC mode only).

Advanced



Temporal NR is the motion based noise reduction.

MPEG NR is for removing unwanted ringing and block noise from images that have undergone MPEG or JPEG compression and decompression.



Dynamic Contrast is option to enhance the contrast of the image.

This feature makes the color much darker and brighter

Color Temp is used to control color temperature (R / G / B)

Under Scan

Adjusts the image size. (Mode 1 / Mode 2)

Source

Selects between the CVBS (Composite IN/OUTPUT) or S-Video (Super Video IN/OUTPUT), RGB (PC input) to be displayed

SPECIFICATIONS

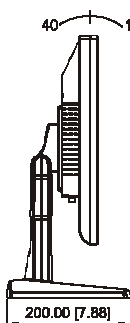
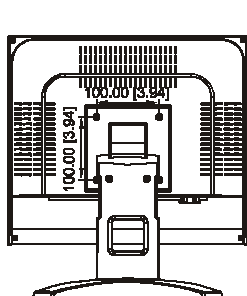
ART. 41627

NO	ITEM	SPECIFICATION		
1	LCD	LCD Panel	17.0" TFT LCD Panel	
2		Active Display Area (Diagonal)	17.0 inches	
3		Pixel Format	1280(H) x 1024(V), RGB Vertical Stripe	
4		Pixel Pitch	0.264mm x 0.264mm	
5		Color Depths	8 Bit / 16.7M Colors	
6		Contrast Ratio	1000 : 1 (Typical)	
7		Brightness	300 cd/m2	
8		Viewing Angles (Left/Right/Up/Down)	80° / 80° / 80° / 80°	
9		Light source / Lifetime	4CCFL / 50,000 Hours (Minimum)	
10		Response Time (Tr/Td)	5ms	
11	Video	Video Mode	NTSC/PAL (Auto Selection)	
12		Video Input Signal	Composite	1.0Vp-p, 75Ω
13			S-Video	0.7Vp-p(Luminance), 0.3Vp-p(Chrominance), 75Ω
14		Video Input Connector	Composite	BNC x 2
15			S-Video	4Pin Mini Din x 2
16		Termination	75Ω , Auto Termination	
17		Resolution	More than 540 Lines	
18	PC	Input Signal	Analog RGB (0.714Vp-p,75Ω), H&V Sync (TTL)	
19		Input Connector	15 pin D-sub	
20		Input Resolution	VGA 640 x 480; 60~75Hz	
21			SVGA 800 x 600; 56~75Hz	
22			XGA 1024 x 768; 60~75Hz	
23			SXGA 1280 x 1024; 60~75Hz	
24		Plug & Play	DDC 1/2B	
25	User Controls	Brightness, Contrast, Tint, Color, Sharpness, etc		
26	OSD Language	English / French / German / Italian / Spanish / Polish		
27	DC Power	12VDC ±5%		
28	Dimensions (W x H x D)	Net	382.5 x 416 x 301.5 mm	
29		Packing	485 x 505 x 250 mm	
30	Weight (Net/Packing)	5.3 / 7.45 kg		
31	Operating Temperature	0°C ~ 40°C		
32	Case Material	Plastic		
33	Accessories	AC Adaptor, Power Cord, VGA cable, Manual		

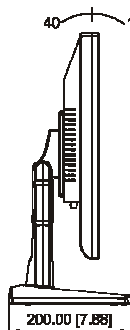
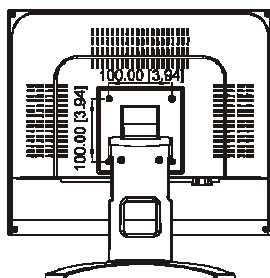
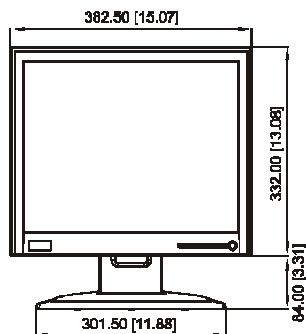
ART. 41629

NO	ITEM		SPECIFICATION	
1	LCD	LCD Panel	19.0" TFT LCD Panel	
2		Active Display Area (Diagonal)	19.0 inches	
3		Pixel Format	1280(H) x 1024(V), RGB Vertical Stripe	
4		Pixel Pitch	0.294mm x 0.294mm	
5		Color Depths	8 Bit / 16.7M Colors	
6		Contrast Ratio	1000 : 1 (Typical)	
7		Brightness	300 cd/m2	
8		Viewing Angles (Left/Right/Up/Down)	80° / 80° / 80° / 80°	
9		Light source / Lifetime	4CCFL / 50,000 Hours (Minimum)	
10		Response Time (Tr/Td)	5ms	
11	Video	Video Mode	NTSC/PAL (Auto Selection)	
12		Video Input Signal	Composite	1.0Vp-p, 75Ω
13			S-Video	0.7Vp-p(Luminance), 0.3Vp-p(Chrominance), 75Ω
14		Video Input Connector	Composite	BNC x 2
15			S-Video	4Pin Mini Din x 2
16		Termination	75Ω , Auto Termination	
17		Resolution	More than 540 Lines	
18	PC	Input Signal	Analog RGB (0.714Vp-p,75Ω) , H&V Sync(TTL)	
19		Input Connector	15 pin D-sub	
20		Input Resolution		VGA 640 x 480; 60~75Hz
21				SVGA 800 x 600; 56~75Hz
22				XGA 1024 x 768; 60~75Hz
23				SXGA 1280 x 1024; 60~75Hz
24	Plug & Play	DDC 1/2B		
25	User Controls		Brightness, Contrast, Tint, Color, Sharpness, etc	
26	OSD Language		English / French / German / Italian / Spanish / Polish	
27	DC Power		12VDC ±5%	
28	Dimensions (W x H x D)	Net	420 x 429 x 301.5 mm	
29		Packing	520 x 517 x 250 mm	
30	Weight (Net/Packing)		5.65 / 7.95 Kg	
31	Operating Temperature		0°C ~ 40°C	
32	Case Material		Plastic	
33	Accessories		AC Adaptor, Power Cord, VGA cable, Manual	

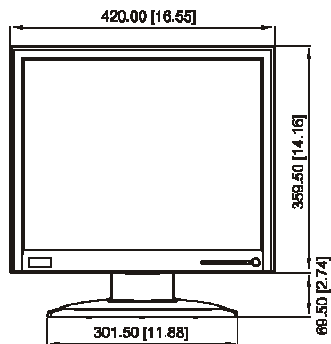
▣ Dimensional drawings



(art. 41627)



(art. 41629)



INVENTING

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GROUP S.P.A.

INNOVATION

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