

Federal Communications Commission (FCC) Statement

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.

Warning:

A shielded-type power cord is required in order meet FCC emission limits and also to prevent interference to the nearby radio and television reception. It is essential that only the supplied power cord be used. Use only shielded cables to connect I/O devices to this equipment. You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

IMPORTANT SAFEGUARDS

Warning:

1. Read all of these instructions.
2. Save these instructions for later use.
3. Unplug this monitor from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use attachments not recommended by the monitor manufacturer as they may cause hazards.
5. Do not use this monitor near water. For example near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc..
6. Do not place this monitor on an unstable cart, stand, or table. The monitor may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart or stand recommended by the manufacturer or sold with monitor. Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.
7. Slots and openings in the cabinet and the back or bottom are provided for ventilation, and to insure reliable operation of the television receiver and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the monitor on a bed, sofa, rug, or other similar surface. This monitor should never be placed near or over a radiator or heat register. This monitor should not be placed in built-in installation such as a bookcase unless proper ventilation is provided.
8. This monitor should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied in your home, consult your monitor dealer or local power company
9. This monitor is equipped with a three-wire grounding type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding- type plug.
10. Do not allow anything to rest on the power cord. Do not locate this monitor where the cord will be abused by persons working on it.
11. Follow all warnings and instructions marked on the monitor.

12. For added protection for this monitor, when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the monitor due to power-line surges.
13. Do not overload wall outlets and extension cords as this can result into fire or electric shock.
14. Never push objects of any kind into this monitor through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the monitor.
15. Do not attempt to service this monitor yourself since opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
16. Unplug this monitor from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a. When the power cord or plug is damaged or frayed.
 - b. If liquid has been spilled into the monitor.
 - c. If the monitor has been exposed to rain or water.
 - d. If the monitor does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the monitor to normal operation.
 - e. If the monitor has been dropped or the cabinet has been damaged.
 - f. When the monitor exhibits a distinct change in performance- this indicated a need for service.
17. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that has the same characteristics as the original parts. Unauthorized substitutions may result in fire, electric shock, or other hazards.
18. Upon completion of any service or repairs to this monitor, ask the service technician to perform routine safety checks to determine that the monitor is in safe operating condition.
19. Shall provide the below statement or similar "The Accessory Card Reader or Accessory Card shall be connected to ITE product with Limited Power Source(LPS) Output approved by Underwriters Laboratories(UL).

22" TFT COLOR MONITOR

1. Installing the Monitor

Unpacking

Open the shipping cartons and check the contents. If any items are missing or damaged, contact your dealer immediately.

The package should include the following items:

- TFT color monitor
- User's guide
- Power cord
- Signal cable
- Audio cable

Installing the Monitor

This monitor is equipped with an auto sensing DC power adapter for voltage ranges 100-240VAC, 60/50Hz. Confirm the line voltage designation on the rear panel of the monitor. Follow these steps to install the monitor:

1. Before you connect the cables, make sure that the monitor and the system unit power switches are off.
2. Plug one end of the 15pin-signal cable to the monitor and the other end to the video signal connector at the rear of the system. Tighten the two screws on the cable connector.
3. Connect the power cable.

2. Control Functions

The monitor digital control functions are located on the front panel. They are shown in the figure below and described in the following paragraphs.



1. Indicator LED
2. Power Switch
3. Function Keys

3. Function Select

With the \triangle and ∇ knobs, you can adjust the speakers volume.

Press the "MENU/SELECT" knob to show the OSD menu. Than use the \triangle and ∇ knobs to select a function.

Press the "AUTO/EXIT" knob to close the OSD menu.

You can hold the "AUTO/EXIT" knob for more than 3 second to adjust the image quality automatically. The OSD menu will close automatically after 3-10 seconds without operation and saves any changes you have made.

4. Function Adjustment

1.Signal Select



VGA

- Select the image signal coming from the VGA cable.



DVI

- Select the image signal coming from the DVI cable.(option)



Exit

- Close the Signal Select OSD menu.

2.Video



Brightness

- Adjust the luminance level in the image.



Contrast
image.

- Adjust the difference in luminance between light and dark areas of the image.



Exit - Close the Video OSD menu.

3.Audio



Volume - Adjust the volume of speakers.



Exit - Exit the Audio OSD menu.

4.Color

Color Temperature



User - Adjust the R.G.B. gain level.



6500K - Select color temperature to 6500°K.



9300K - Select color temperature to 9300°K.



Exit - Close the Color Temperature OSD menu.



Exit - Close the Color OSD menu.

5.Image



Auto Tune - Adjust geometry of the image automatically.



Clock - Adjust the horizontal sync size of signal.

ENGLISH



Phase - Adjust the horizontal sync phase of signal.



H. Position - Adjust the horizontal position of the image.



V. Position - Adjust the vertical position of the image.



Exit - Close the Image OSD menu.

6. Language



-Sets the language of the OSD windows.

7. Tools

OSD Control



OSD Timer - Setting the OSD menu display time.



OSD H. Position- Adjust the horizontal position of the OSD menu.



OSD V. Position- Adjust the vertical position of the OSD menu.



Exit - Close the OSD Control OSD menu.



Recall - Recall the factory default setting.



Sharpness - Adjust the picture display more clear.



Exit - Close the Tools OSD menu.

8.Exit



- Close the OSD menu.

5. Micro-controller Features

The micro-controller automatically detects the video board installed in your system. When you turn on the monitor, the micro-controller first checks the display mode memory stored in the user setting area of the video board, and then the factory presetting area. It then adjusts to the proper display mode.

6. Display Modes Memory

The micro-controller has the memory capacity to store different display modes, including timing formats and display-settings.

Factory Presetting Area

There are some preferred display modes preset in the micro-controller. These display modes are preset at the factory and include the most popular display modes currently available. The micro-controller searches for a proper display mode in this area if it fails to find a proper display mode in the user setting area.

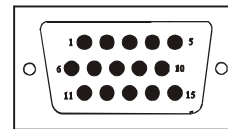
	MODE	Resolution (Dots*lines)	Horizontal Freq.(KHz)	Vertical Freq.(Hz)	Remark
1.	VGA	640x350	31.5	70	Non-interlaced
2.	VGA	720x400	31.5	70	Non-interlaced
3.	VGA	640x480	31.5	60	Non-interlaced
4.	VGA	640x480	35.0	70	Non-interlaced
5.	VGA	640x480	37.9	72	Non-interlaced
6.	VESA/75	640x480	37.5	75	Non-interlaced
7.	VESA/56	800x600	35.2	56	Non-interlaced
8.	VESA/60	800x600	37.9	60	Non-interlaced
9.	VESA/70	800x600	43.8	70	Non-interlaced
10.	VESA/72	800x600	48.1	72	Non-interlaced
11.	VESA/75	800x600	46.9	75	Non-interlaced
12.	VESA/60	1024x768	48.4	60	Non-interlaced
13.	VESA/70	1024x768	56.5	70	Non-interlaced
14.	VESA/75	1024x768	60.0	75	Non-interlaced
15.	-	1280x720	44.8	60	Non-interlaced
16.	VESA/60	1280x1024	64.0	60	Non-interlaced

17.	VESA/75	1280x1024	80.0	75	Non-interlaced
18.	-	1360x768	47.7	60	Non-interlaced
19.	-	1360x768	60.3	75	Non-interlaced
20.	-	1680x1050	65.3	60	Non-interlaced

7. Signal Connector Pin-outs

To connect VGA, 8514A or IBM-compatible graphics adapters, use a 15 pin mini D-type male connector.

15-pin Mini D-type Male Connector					
Pin Assignment					
1	Red Video	6	Red Ground	11	Ground
2	Green Video	7	Green Ground	12	Serial Data/I/O
3	Blue Video	8	Blue Ground	13	H. Sync
4	Ground	9	No Connection	14	V. Sync
5	No Connection	10	Sync Ground	15	Serial Clock Input



8. Power Saving Feature

When the power saving active then the power indicator LED will be from Green Light to Amber, And power saving feature complies with these VESA power saving modes:

Mode	H. Sync.	V. Sync.	LED	Power Consumption
Normal	On	On	Green	<50W
Stand-by	Off	On	Amber	< 3W
Suspend	On	Off	Amber	< 3W
Off	Off	Off	Amber	< 3W

The monitor uses the H. Sync and V. Sync signals to determine the operation mode to enter. The monitor power-saving feature automatically turns off H. Sync and V. Sync if there is no input from the system for a certain period of time. To use this feature, you need a green PC that is compliant with the VESA power saving feature or a software utility to detect system input such as keyboard or mouse.

Time Settings

Time settings are adjusted from the system unit by software. To fulfill the requirements in the NUTEK specification 803299/94 the total time from indicated inactivity to Power Saving position A2 (VESA OFF) must not be set more than 70 minutes. We recommend you switch off the monitor when you do not intend to use it for awhile.

9. Specifications

Model	22W
LCD Panel	
Size:	22"
Pixel Pitch:	0.282mm
Brightness:	300 cd/m ²
Contrast Ratio:	1000:1
Response Time:	5ms(typ.)
Maximum viewable size	22 inch (55.9cm)
Video Input	Analog:15-pin, D-sub connector Digital:DVI connector(option)
Display area	474mmx296mm(HxV)
Input voltage:	100-240V AC
Consumption	50watts maximum
External controls	Power-switch,VGA,DVI(option),Brightness,Contrast, Volume,Color temperture(User,6500°K,9300°K), Clock,Phase,H-position,V-position,OSD control, Recall,Sharpness,Exit
Horizontal frequency	30-82KHz
Vertical frequency	50-75Hz
Dimensions(with carton)	590mmx185mmx480mm (WxDxH)
Max. Resolution	1680x1050 (Non-Interlaced)
Power Saving	With EPA standard
Plug & Play	DDC 1/2B
Weight	N.W.:6.4Kgs G.W.:7.5Kgs
Ambient temperature	
Operation:	5°C – 35°C
Non-operating	-20°C – 60°C
Humidity	
Operating:	20%-80%
Storage:	10%-90%

*Specifications are subject to change without notice.