



# TVM-1700 / TVM-1900 / TVM-2200 Monitors User Manual

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## Certification



## FCC compliance

**Class A:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

## ACMA compliance

**Notice!** This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

## Canada

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-0330 du Canada.

## European Union directive

**2004/108/EC (EMC directive):** Hereby, UTC Fire & Security declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC.



**2002/96/EC (WEEE directive):** Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: [www.recyclethis.info](http://www.recyclethis.info).

## Contact information

For contact information see: [www.interlogix.com](http://www.interlogix.com) or [www.utcssecurityproducts.eu](http://www.utcssecurityproducts.eu).

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# Important safeguards

## 1. Installation cautions:

- Do not block any ventilation openings.
  - Always ensure that the monitor is located in a well-ventilated area to prevent the unit from overheating.
  - Only use accessories specified by the manufacturer or those sold with the product.
  - Avoid operating or placing the monitor in the following environments: extremes of temperatures, both hot and cold; high humidity; direct sunlight; excessively dusty surroundings; avoid close proximity to other equipment that generates a strong magnetic field
2. **Water and moisture:** Do not use this appliance near water. To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.
3. **Power cord and power cord protection:** Power cords should be routed so that they not likely to be walked on or pinched. Pay particular attention to the location of cords and plugs, convenience receptacles, and the point of exit from the appliance.
4. **Product care:** Do not touch the screen directly with fingers. The oils from your skin may leave marks on the surface of the screen, which are difficult to be removed and may damage the screen permanently. Do not apply pressure to the screen.
5. **Cleaning:** Clean only with a dry cloth.
6. **Servicing:** Do not attempt to service this unit yourself. Opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
7. **Lightning:** For added protection during a lightning storm or when this unit is left unattended and unused for long periods of time, unplug the unit from the wall outlet and disconnect the cable system. This will prevent damage to the unit due to lightning and power line surges.
8. **Mains plug (2 pin/3 pin):**
- Do not remove the grounding or earth connection from the power supply / mains plug.
  - Always remember to unplug the monitor from the power supply under the following

circumstances if the monitor will not be used for a long period of time, if the power supply cable or plug/connector is damaged or if the monitor housing is damaged or broken.

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**CAUTION:** Do not attempt to dismantle this product. Any attempt to dismantle or remove the covers from this product will invalidate the warranty and may also result in serious injury.

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## Introduction

This manual explains how to correctly install, operate and get the best performance from your monitor. Please read this user manual carefully before installing your monitor then keep it near your monitor for quick reference.

First, please check that the contents of the box correspond with the following checklist:

- LCD monitor
- Power cord
- AC adaptor
- User manual

If any item is missing or damaged, please contact your dealer. Please keep the box and packing materials so that you may properly store or transport your monitor.

## Features

- The monitor is designed for use in a small work area or for those who need more work space on the desk.
- The convenient and user-friendly on-screen display allows for easy and accurate adjustments of screen size, position and screen color.
- The monitor complies with the VESA Display Data Channel (DDC) specification for Plug and Play compatibility. Advanced microcircuitry makes setup and configuration fast and effortless.
- The monitor features Advanced Color Controls for fine-tuning to meet your own personal tastes or application requirements. Use the on-screen controls to adjust the color temperature,
- RGB gain value for the best possible screen color and intensity.

- Press the Menu button and activate the Self-Diagnosis menu to determine whether your monitor is functioning normally, not receiving a signal or is receiving a signal that is out of scanning range.
- Activate the higher refresh rates of the monitor to stabilize the screen and eliminate the annoying flicker that contributes to eye-strain and headaches.
- The monitor supports the optimal display performance with 1280 x 1024 @ 75 Hz (TVM-1700/TVM-1900 Model) and 1680 x 1050 @ 60 Hz (TVM-2200 Model).
- The monitor can be connected to various types of video devices with supporting video input signals like Composite video (CVBS), Separate video.
- The internal stereo speakers make the end user enjoy audio sound.

## Assembling the monitor

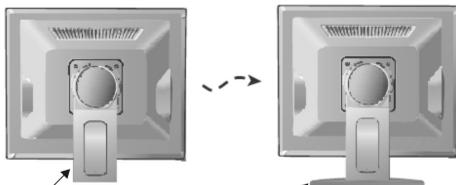
The monitors are designed for use on a desktop.

The arm of the monitor stand is shipped pre-installed on the monitor.

### Assembling the monitor

1. Put a smooth pad or cloth on a level surface. Place the monitor on it facing downwards.
2. Insert the arm of the monitor stand of the monitor into the pedestral foot provided.

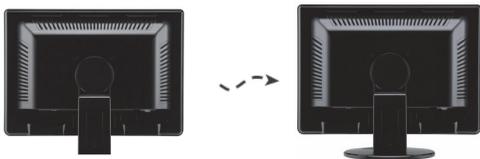
#### TVM-1700/TVM-1900 models



Arm of the monitor stand

Pedestral foot

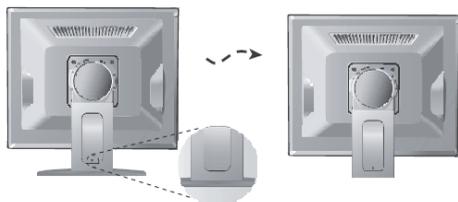
#### TVM-2200 model



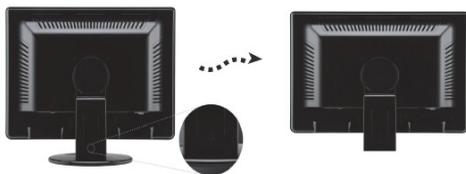
### Disassembling the monitor

1. Put a smooth pad or cloth on a level surface. Place the monitor on it facing downwards.
2. Using a screwdriver or a similar object with a sharp end, carefully detach the supporting arm from the foot by pressing the groove on the back of the supporting arm. (Note that the fixation point can be broken if too much force is applied).

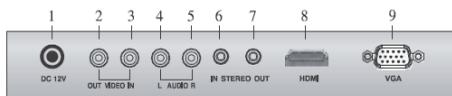
#### TVM-1700/TVM-1900 models



#### TVM-2200 model



## Connections

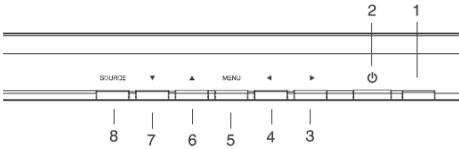


1. DC 12V Input
2. VIDEO OUT Composite signal output
3. VIDEO IN Composite signal input.
4. AUDIO L Audio signal input left.
5. AUDIO R Audio signal input right.
6. PC Stereo Input
7. Head Phone Out
8. HDMI HDMI signal input.

9. VGA  
RGB signal input.

## Front panel controls

### Control panel (TVM-1700/TVM-1900 models)

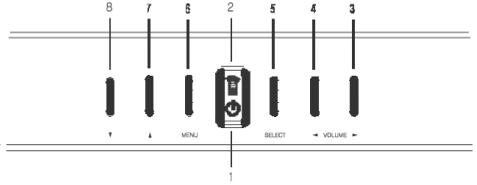


- 1 **POWER Indicator**  
Shows both normal operation and power management status with power LED.
- 2 **POWER**  
Switches the monitor on and off.
- 3 **▶ Right Arrow - Volume (\*)**  
Selects menu.  
*Primary Function:* Used to increase the volume.  
*Secondary Function:* Moves cursor to the right in the OSD (On-Screen Display) window and increases the value of any selected menu.
- 4 **◀ Left Arrow - Volume (\*) Selects menu**  
*Primary Function:* Used to decrease the volume.  
*Secondary Function:* Moves cursor to the left in the OSD window and decreases the value of any selected menu.
- 5 **MENU**  
Turns the OSD window on. Turns the OSD window off and moves from sub menu to top menu in the OSD window.
- 6 **▲ Up Arrow - Auto Adjustment (\*)**  
*Primary Function:* Automatically adjusts the display to the most optimal setting possible.(VGA mode only)  
*Secondary Function:* Allows for vertical scrolling in the OSD menu and to increase the value of the selected menu function.
- 7 **▼ Down Arrow**  
Allows for vertical scrolling in the OSD menu, and to decrease the value of the selected submenu function.
- 8 **SOURCE (\*)**  
Used to select from different input sources.

Press the UP or DOWN arrow to scroll through the available sources, and press LEFT or RIGHT arrow to confirm selection.

(\*) = Hot key

### Control panel (TVM-2200 model)



1. **POWER Indicator**  
Shows both normal operation and power management status with power LED.  
POWER Button  
Switches the monitor on and off.
2. **Sensor window**  
Remote control. Receives signal from the remote controller.
3. **VOLUME ▶ (\*)**  
Selects the menu.  
*Primary Function:* Used to increase the volume.  
*Secondary Function:* Moves cursor to the right in the OSD window and increases the value of any selected menu.
4. **◀ VOLUME (\*)**  
Selects the menu.  
*Primary Function:* Used to DECREASE the volume.  
*Secondary Function:* Moves cursor to the Left in the OSD window and decreases the value of any selected menu.
5. **SELECT Button (\*)**  
Used to select from different input sources. Press the UP or DOWN arrow to scroll through the available sources, and press LEFT or RIGHT arrow to confirm selection.
6. **MENU Button**  
Turns the OSD window on. Turns the OSD window off and moves from sub menu to top menu in the OSD window.
7. **▲ Up Button**  
*Primary Function:* Choose automatically the proper horizontal position and vertical position and size of the screen image.(PC mode)

*Secondary Function:* Allows for vertical scrolling in the OSD menu, and to INCREASE the value of the selected menu function.

- 8 **Button (\*)**  
Allows for Vertical scrolling in the OSD Menu, and to DECREASE the value of the selected submenu function.

### Changing a monitor parameter

1. Press the **MENU** button on the front panel to obtain the OSD menu screen.
2. Use Left-Right buttons to select the menu.
3. Use Down button to select the submenus.
4. Use Up-Down buttons to select a submenu function.
5. Press **SOURCE** button, then using left-right buttons you can make adjustments as necessary
6. To exit, press **MENU**.

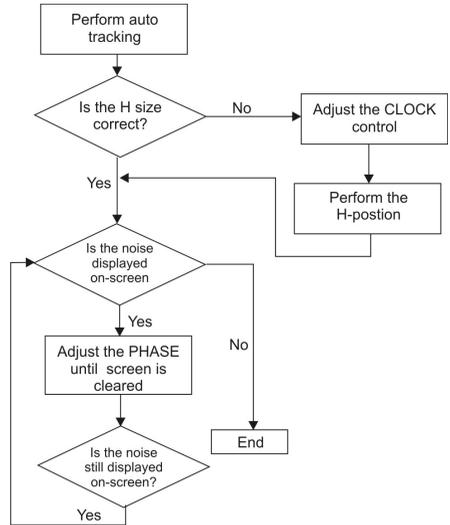
### Hot keys

**SOURCE** Selects signal in order. VGA - HDMI - CAM

**(UP/AUTO)** When there is no OSD, if you press this **▲** (UP/AUTO) button, you can use the best display performance fit for a current mode

**(VOLUME)** When there is no OSD, you can adjust the volume directly

## Adjustment procedure



## OSD function

Configure the monitor using the onscreen display (OSD) menus and submenus. Changes are immediately saved and implemented.

### VGA menu (HDMI)

#### • Picture



1. **Contrast**  
Adjust the contrast of image, the difference between light and dark areas on the screen.
2. **Brightness**  
Adjust the brightness of the image.

### 3. Color Mode

Choose a different preset color temperatures or set your own customized color parameters. (Normal/Warm/Cool/User)

### 4. Scale

Select the screen size (HDMI mode only)

### 5. Auto

Choose automatically the proper horizontal position and vertical position and size of the screen image. (VGA mode only)

### • Sound



#### 1. Bass

When you select the user mode, adjust the bass sound.

#### 2. Treble

When you select the user mode, adjust the treble sound.

#### 3. Balance

Adjust the sound balance of the left and right speakers.

#### 4. MTS

Not used

#### 5. Sound Mode

Choose a different preset sound mode or your own customized sound. (Standard/ Movie/ Music/ User)

### • Geometry



#### 1. H-Position

Adjust the position of the display horizontally (left or right).

#### 2. V-Position

Adjust the position of the display vertically (up or down).

#### 3. Clock

Adjust the width (horizontal size) of the screen image.

#### 4. Phase

Remove any horizontal noise and clear or sharpen the image of the characters.

### • System



#### 1. Sleep Timer

Select time to turn off the monitor. (Off/15/30/45/60 Minutes)

#### 2. Language

Select language for OSD. (English/German)

#### 3. OSD H-Position

Adjust the OSD position of the display horizontally (left or right).

4. **OSD V-Position**  
Adjust the OSD position of the Display vertically (up or down).
5. **OSD Timeout**  
Adjust the display of the OSD menu (5 to 60 seconds).
6. **OSD Transparency**  
Adjust the OSD. Transparency
7. **Information**  
Shows the status of the current Display settings.
8. **Memory Recall**  
Reset the screen to the factory preset display settings.

## CAM menu

### • Picture



1. **Contrast**  
Adjust the contrast of image, the difference between light and dark areas on the screen.
2. **Brightness**  
Adjust the brightness of the image.
3. **Tint**  
Adjust the Tint of image.
4. **Color**  
Adjust Color of image.
5. **Sharpness**  
Adjust the display image quality (if the screen proceed to scaling up).
6. **Color Tone**  
Choose different preset color temperatures or set your own customized color parameters (Normal/Warm/Cool).
7. **Picture Mode**  
Select the picture mode (Standard/Movie/Dynamic/User).

8. **Screen Format**  
(Full/Zoom1/Zoom2/Subtitle/4:3/panorama)

### • Sound



1. **Bass**  
When you select the user mode, adjust the bass sound.
2. **Treble**  
When you select the user mode, adjust the treble sound.
3. **Balance**  
Adjust the sound balance of the left and right speakers.
4. **MTS**  
Not used.
5. **Sound Mode**  
Choose different preset sound mode or your own customized sound (Standard/Movie/Music/User).

### • Function



1. **3D NR**  
Reduce the noise in the picture due to poor reception or poor picture quality (Off/ Low/ Middle/ High).

2. **MADi**  
Select advanced color engine for automatic picture enhancement (2D/3D).
3. **H-Size**  
Adjust the width (horizontal size) of the screen image.
4. **V-Size**  
Adjust the height (vertical size) of the screen image.
5. **H-position**  
Adjust the position of the display horizontally (left or right).
6. **V-position**  
Adjust the position of the display vertically (up or down).

• **System**



1. **Sleep Timer**  
Select time to turn off the monitor (Off/15/30/45/60 minute).
2. **Language**  
Select language for OSD (English/German).
3. **OSD H-Position**  
Adjust the OSD position of the Display horizontally (left or right).
4. **OSD V-Position**  
Adjust the OSD position of the Display vertically (up or down).
5. **OSD Time out**  
Adjust the display OSD Menu (5 to 60 seconds).
6. **OSD Transparency**  
Adjust the OSD transparency.
7. **Information**  
Shows the status of the current Display settings.
8. **Memory Recall**  
Reset the screen to the Factory Preset Display settings.

## Self-diagnosis

If there is no image, the Self-Diagnosis screen will be displayed. The self-diagnosis function checks if the status of the monitor screen is No Signal, Out of Range or None Supported.

### NO SIGNAL

No Signal screen is displayed when the D-Sub signal connector is connected but the status of the monitor is on DPMS mode.

### OUT OF RANGE

Out of Range screen is displayed when the applied frequency is under or over normal range.

Normal range (Non-interlaced mode only):

H: 30 to 80 kHz

V: 56 to 77 Hz

### ANALOG CHECK CABLE

Check that the cable screen is displayed when the analog signal cable is disconnected.

### HDMI Check Cable

Check that the cable screen is displayed when the HDMI signal cable is disconnected.

## Removing the monitor stand

1. Turn off the monitor and unplug the power cable.
2. Place a cushion or a soft cloth on the floor and put the monitor on it with the front of the monitor facing the floor.
3. Detach the rear cover of the monitor stand with a screwdriver.
4. Remove the four screws connecting the stand and monitor body. See pictures below.

## TVM-1700/TVM-1900 models



## TVM-2200 model

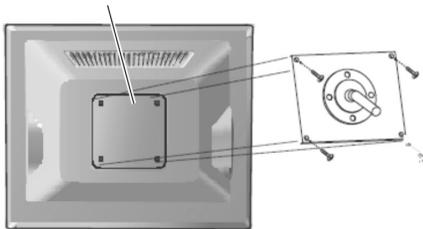


## Attaching the monitor stand

Tighten the screws at the locations indicated by arrows shown in the figures above. See pictures below.

### TVM-1700/TVM-1900 models

Monitor stand attached here



Face of monitor stand arm

### TVM-2200 model



The monitor's installation surface is compatible with other types of VESA standard stands.

Hole spacing: 100 x 100 mm

Screw length: 8 to 12 mm

## Troubleshooting

Symptom	Check
Picture is jittery	Adjust <b>Clock</b> to set the screen position and adjust Clock value carefully until a noise is no longer displayed.
No picture	<p>Check if the power switch and computer power switch are in the On position</p> <p>Check if the signal cable is correctly connected to the video card.</p> <p>Check if the pins of D sub-connector are not bent.</p> <p>Check if the computer is in the power- saving mode.</p>
POWER LED is not lit	<p>Check if power switch is in the On position.</p> <p>Check if the power cord is correctly connected.</p>
Image is unstable	Check if the signal cable is suitable to the video card
Image is not centered, too small or too large	Adjust <b>Clock</b> or <b>H&amp;V Center</b> to get the proper image.
Picture bounces or a wave pattern is present in the picture	<p>Keep the devices that may cause electrical interference away from the monitor.</p> <p>See the FCC information at the front cover of the manual.</p>
Picture is blurred	Adjust <b>Contrast</b> and <b>Brightness</b> .
No sound	<p>Check the audio cables are correctly connected to the computer.</p> <p>Adjust the volume after checking the sound is muted.</p> <p>Check the audio system in the computer.</p>

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<b>Symptom</b>	<b>Check</b>
Low sound	Adjust the volume on the OSD menu.  Adjust the volume of the sound card in the computer.
VIDEO screen cannot be seen	Check if PICTURE mode has been set.  Check if the video terminal is properly connected.
No video	Check if the video cable is correctly connected to the computer and set to <b>Functions</b> on the OSD picture menu.
Poor color in the video	Adjust the <b>Color</b> or <b>Tint</b> values on the OSD Picture menu.
Grainy picture in the video	Adjust the <b>Sharpness</b> on the OSD Picture menu.

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# Specifications

## TVM-1700/TVM-1900 models

Items		TVM-1700 model	TVM-1900 model
Panel	Screen size	17 in. (43.2 cm)	19 in. (48.3 cm)
	Pixel pitch	0.264 x 0.264 mm	0.294 x 0.294 mm
	View angle (H/V)	170°/160°	170°/160°
	Contrast ratio	1000:1 (typ)	1000:1 (typ)
	Response time	5 ms	5 ms
	Brightness	250 cd/m <sup>2</sup> (typ)	250 cd/m <sup>2</sup> (typ)
	Recommended resolution	1280 x 1024 @ 75 Hz	1280 x 1024 @ 75 Hz
Audio	Speaker power	2 W x 2	2 W x 2
	Speakers	Built-in	Built-in
	Sound features	Stereo R/L	Stereo R/L
Interface	VGA in (15 Pin D-Sub)	1	1
	HDMI in	1	1
	CAM in/out	1/1	1/1
	Audio in (RCA type)	1	1
	PC stereo in	Yes	Yes
	Head phone out	Yes	Yes
Power	Consumption	< 30 W	< 30 W
	Source	12 VDC	12 VDC, 3.33 A
Special feature	Filter type	3D comb filter, deinterlacing	3D comb filter, deinterlacing
Dimensions	W x H x D (without stand)	365 x 321 x 60 mm 15.08 x 12.64 x 2.36 in.	427 x 357 x 57 mm 16.81 x 14.06 x 2.24 in.
	W x H x D (with stand)	383 x 386 x 202 mm 15.08 x 15.20 x 8.00 in.	427 x 415 x 202 mm 16.81 x 16.34 x 7.95 in.
	W x H x D (box)	421 x 155 x 426 mm 16.57 x 6.10 x 16.77 in.	452 x 146 x 449 mm 17.80 x 5.75 x 17.68 in.
Weight	Net (without stand)	3.1 kg (6.8 lb.)	4.3 kg (9.5 lb.)
	Net (with stand)	3.8 kg (8.4 lb.)	5 kg (11.0 lb.)
	Gross (box)	5.3 kg (11.1 kg)	6.6 kg (14.6 lb.)
VESA mount Specifications	VESA standard	100 x 100 mm (3.94 x 3.94 in.)	100 x 100 mm (3.94 x 3.94 in.)
Hole patterns	Spacing screw size	M4 screw	M4 screw
	Length	8.00 mm	8.00 mm
Operating temperature	0 to 40 °C (32 to 104 °F)		

The specifications can change without any notice.

The panel may have some defective pixels (ex. slightly light or dark) due to a characteristic of the panel. But there is no defect in your panel product itself.

## TVM-2200 models

Items	TVM-2200 model	
Panel	Screen size	22 in. (55.9 cm)
	Pixel pitch	0.282 x 0.282 mm
	View angle (H/V)	170°/160°
	Contrast ratio	1000:1 (typ)
	Response time	5 ms
	Brightness	250 cd/m <sup>2</sup> (typ)
	Recommended resolution	1680 x 1050 @ 60 Hz
Audio	Speaker power	2 W x 2
	Speakers	Built-in
	Sound features	Stereo R/L
Interface	VGA in (15 Pin D-Sub)	1
	HDMI in	1
	Cam in/out	1/1
	Audio in (RCA type)	1
	PC stereo in	Yes
	Head phone out	Yes
Power	Consumption	< 50 W
	Source	12 VDC, 5 A
Special feature	Filter type	3D comb filter, deinterlacing
Dimensions	W x H x D (without stand)	523 x 367 x 66 mm 20.59 x 14.45 x 2.60 in.
	W x H x D (with stand)	523 x 419 x 202 mm 20.59 x 16.50 x 7.95 in.
	W x H x D (box)	464 x 186 x 550 mm 18.27 x 7.32 x 21.65 in.
Weight	Net (without stand)	5.4 kg (11.9 lb.)
	Net (with stand)	6.1 kg (13.4 lb.)
	Gross (box)	7.7 kg (17.0 kg)
VESA mount Specifications	VESA standard	100 x 100 mm (3.94 x 3.94 in.)
	Hole patterns	Spacing screw size Length
Operating temperature	0 to 40 °C (32 to 104 °F)	

The specifications can change without notice.

The panel may have some defective pixels (ex. slightly light or dark) due to a characteristic of the panel. But there is no defect in your panel product itself.

# Factory preset timings

## TVM-1700/TVM-1900 models

VESA modes				
Mode	Resolution (dots X line)	H freq. (kHz)	V freq. (Hz)	Remark
VGA	640 x 480 @ 60 Hz	31.5	60	Non-interlaced
VGA	640 x 480 @ 72 Hz	37.9	72	Non-interlaced
VGA	640 x 480 @ 75 Hz	37.5	75	Non-interlaced
SVGA	800 x 600 @ 56 Hz	35.2	56	Non-interlaced
SVGA	800 x 600 @ 60 Hz	37.9	60	Non-interlaced
SVGA	800 x 600 @ 72 Hz	48.1	72	Non-interlaced
SVGA	800 x 600 @ 75 Hz	46.9	75	Non-interlaced
XGA	1024 x 768 @ 60 Hz	48.4	60	Non-interlaced
XGA	1024 x 768 @ 70 Hz	56.5	70	Non-interlaced
XGA	1024 x 768 @ 75 Hz	60.0	75	Non-interlaced
SXGA	1152 x 864 @ 75 Hz	67.5	75	Non-interlaced
SXGA	1280 x 960 @ 60 Hz	60.0	60	Non-interlaced
SXGA	1280 x 1024 @ 60 Hz	64.0	60	Non-interlaced
SXGA	1280 x 1024 @ 75 Hz	80.0	75	Non-interlaced
IBM modes				
Mode	Resolution (dots X line)	H freq. (kHz)	V freq. (Hz)	Remark
EGA	640 x 350 @ 70 Hz	31.5	70	Non-interlaced
DOS	720 x 400 @ 70 Hz	31.3	70	Non-interlaced
MAC modes				
Mode	Resolution (dots X line)	H freq. (kHz)	V freq. (Hz)	Remark
VGA	640 x 480 @ 67 Hz	35.0	67	Non-interlaced
SVGA	832 x 624 @ 75 Hz	49.7	75	Non-interlaced
SXGA	152 x 870 @ 75 Hz	68.7	75	Non-interlaced
MAC modes				
Mode	Resolution (dots X line)	H freq. (kHz)	V freq. (Hz)	Remark
SXGA	1280 x 1024 @ 70 Hz	74.4	70	Non-interlaced

The LCD monitor has only non-interlaced modes without flicker.

## TVM-2200 models

<b>VESA modes</b>			
<b>Resolution (dots Xlines)</b>	<b>H freq. (KHz)</b>	<b>V freq. (Hz)</b>	<b>Remark</b>
640 x 480 @ 60 Hz	31.5	60	Non-interlaced
640 x 480 @ 72 Hz	37.9	72	Non-interlaced
640 x 480 @ 75 Hz	37.5	75	Non-interlaced
800 x 600 @ 56 Hz	35.2	56	Non-interlaced
800 x 600 @ 60 Hz	37.9	60	Non-interlaced
800 x 600 @ 72 Hz	48.1	72	Non-interlaced
800 x 600 @ 75 Hz	46.9	75	Non-interlaced
1024 x 768 @ 60 Hz	48.4	60	Non-interlaced
1024 x 768 @ 70 Hz	56.5	70	Non-interlaced
1024 x 768 @ 75 Hz	60.0	75	Non-interlaced
1280 x 1028 @ 60 Hz	64.0	60	Non-interlaced
1280 x 1028 @ 75 Hz	804.0	75	Non-interlaced
1152 x 864 @ 75 Hz	67.5	75	Non-interlaced
1280 x 960 @ 60 Hz	60.0	60	Non-interlaced
1440 x 900 @ 60 Hz	55.935	60	Non-interlaced
1680 x 1050 @ 60 Hz	65.290	60	Non-interlaced
<b>IBM modes</b>			
<b>Resolution (dots Xlines)</b>	<b>H freq. (KHz)</b>	<b>V freq. (Hz)</b>	<b>Remark</b>
640 x 350 @ 70 Hz	31.5	70	Non-interlaced
720 x 400 @ 70 Hz	31.3	70	Non-interlaced
<b>MAC modes</b>			
<b>Resolution (dots Xlines)</b>	<b>H freq. (KHz)</b>	<b>V freq. (Hz)</b>	<b>Remark</b>
640 x 480 @ 67 Hz	35.0	67	Non-interlaced
832 x 624 @ 75 Hz	49.7	75	Non-interlaced
152 x 870 @ 75 Hz	68.7	75	Non-interlaced
<b>MAC modes</b>			
<b>Resolution (dots Xlines)</b>	<b>H freq. (KHz)</b>	<b>V freq. (Hz)</b>	<b>Remark</b>
1280 x 1024 @ 70 Hz	74.4	70	Non-interlaced

The LCD Monitor has only Non-interlaced modes without flicker