



# **LCD Monitor**

ENGLISH

Prolite T1531SR Prolite T1731SR Prolite T1931SR Prolite T1531SAW Prolite T1731SAW Prolite T1931SAW

Thank you very much for choosing the iiyama LCD monitor.

We recommend that you take a few minutes to read this comprehensive manual carefully before installing and switching on the monitor. Please keep this manual in a safe place for your future reference.

# iiyama | Servicecard





# Dear user, we congratulate you on the purchase of your iiyama LCD.

For details on warranty and locally used pixel policies that apply directly after installation of your product please check the iiyama website.

# To report a fault, please contact your local support centre found at www.iiyama.com/service

#### Things to check before you call the iiyama information line

- if the power cable is connected securely and turned on?
- | if the display has been turned on?
- | if the signal cable is connected securely and the correct input selected?
- | if the computer has been restarted with the display connected?
- | if the graphics card is correctly installed with the latest drivers possible?
- | if the correct native resolution has been selected via 'Display Properties'?
- If the R/G/B signal configuration is correct?
- | if the displays On Screen Menu is shown?
- | if the correct brightness and contrast settings have been set?
- | if given display tolerances and compatibility have been considered?
- | if via the On Screen Menu you have performed a Factory Reset/Recall?

# Before reporting the screen defect, please prepare the following information/evidence:

model number \*

purchase receipt and serial number \*

name and address for collection

telephone/fax number, for availability during the day

- convenient collection date (date, time)
- short description of the defect

#### Important Note:

If there is no fault found in the collected equipment after inspection, the transferring party shall incur charges for transport and administration.

If you have checked all of the above and there is still no picture, call our information line for assistance in your country.





# **CE MARKING DECLARATION OF CONFORMITY**

This LCD monitor complies with the requirements of the EC/EU Directive 2014/30/EU "EMC Directive", 2014/35/EU "Low Voltage Directive", 2009/125/EC "ErP Directive" and 2011/65/EU "RoHS Directive".

#### Warning

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.

IIYAMA CORPORATION: Wijkermeerstraat 8, 2131 HA Hoofddorp, The Netherlands

Model No. : PLT1500, PLT1531, PLT1700, PLT1731, PLT1900, PLT1931



We recommend recycling of used product. Please contact your dealer or iiyama service center. Recycle information is obtained via the Internet, using the address: http://www.iiyama.com

You can access the Web page of different countries from there.

- We reserve the right to change specifications without notice.
- All trademarks used in this user manual are the property of their respective owners.
- Eprel registration number

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T1531SR-B5 B : 1003764, T1531SR-W5 B : 1003780, T1531SAW-B5 B : 1008213
T1531SR-B6 B : 1016338, T1531SR-W6 B : 1016391, T1531SAW-B6 B : 1017268
T1731SR-B5 B : 1004580, T1731SR-W5 B : 1004606, T1731SAW-B5 B : 1004417
T1731SR-B5 C : 1024049, T1731SR-W5 C : 1024053, T1731SAW-B5 C : 1025169
T1931SR-B5 B : 1009644, T1931SR-W5 B : 1009648, T1931SAW-B5 B : 1011336
T1931SR-B6 B : 1010485, T1931SR-W6 B : 1010331, T1931SAW-B6 B : 1015925
T1931SR-B6 C : 1028830, T1931SR-W6 C : 1028837, T1931SAW-B6 C : 1016032
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# ENGLISH

# FOR YOUR SAFETY

# SAFETY PRECAUTIONS

#### WARNING

#### STOP OPERATING THE MONITOR WHEN YOU SENSE TROUBLE

If you notice any abnormal phenomena such as smoke, strange sounds or fumes, unplug the monitor and contact your dealer or iiyama service center immediately. Further use may be dangerous and can cause fire or electric shock.

#### **NEVER REMOVE THE CABINET**

High voltage circuits are inside the monitor. Removing the cabinet may expose you to the danger of fire or electric shock.

#### DO NOT PUT ANY OBJECT INTO THE MONITOR

Do not put any solid objects or liquids such as water into the monitor. In case of an accident, unplug your monitor immediately and contact your dealer or iiyama service center. Using the monitor with any object inside may cause fire, electric shock or damage.

#### **INSTALL THE MONITOR ON A FLAT, STABLE SURFACE**

The monitor may cause an injury if it falls or is dropped.

#### DO NOT USE THE MONITOR NEAR WATER

Do not use where water may be splashed or spilt onto the monitor as it may cause fire or electric shock.

#### **OPERATE UNDER THE SPECIFIED POWER SUPPLY**

Be sure to operate the monitor only with the specified power supply. Use of an incorrect voltage will cause malfunction and may cause fire or electric shock.

#### **PROTECT THE CABLES**

Do not pull or bend the power cable and signal cable. Do not place the monitor or any other heavy objects on the cables. If damaged, the cables may cause fire or electric shock.

#### **ADVERSE WEATHER CONDITIONS**

It is advisable not to operate the monitor during a heavy thunder storm as the continual breaks in power may cause malfunction. It is also advised not to touch the plug in these circumstances as it may cause electric shock.

#### CAUTION

#### **INSTALLATION LOCATION**

Do not install the monitor where sudden temperature changes may occur, or in humid, dusty or smoky areas as it may cause fire, electric shock or damage. You should also avoid areas where the sun shines directly on the monitor.

#### DO NOT PLACE THE MONITOR IN A HAZARDOUS POSITION

The monitor may topple and cause injury if not suitably located. Please also ensure that you do not place any heavy objects on the monitor, and that all cables are routed such that children may not pull the cables and possibly cause injury.

#### MAINTAIN GOOD VENTILATION

Ventilation slots are provided to keep the monitor from overheating. Covering the slots may cause fire. To allow adequate air circulation, place the monitor at least 10cm (or 4 inches) from any walls. When removing the tilt stand, the ventilation slots on the back side of the monitor can be blocked. This may overheat the monitor and may cause fire or damage. Make sure to allow enough ventilation when removing the tilt stand. Operating the monitor on its back, side, upside down or on a carpet or any other soft material may also cause damage.

#### DISCONNECT THE CABLES WHEN YOU MOVE THE MONITOR

When you move the monitor, turn off the power switch, unplug the monitor and be sure the signal cable is disconnected. If you do not disconnect them, it may cause fire or electric shock.

#### **UNPLUG THE MONITOR**

If the monitor is not in use for a long period of time it is recommended that it is left unplugged to avoid accidents.

#### HOLD THE PLUG WHEN DISCONNECTING

To disconnect the power cable or signal cable, always pull it by the plug. Never pull on the cable itself as this may cause fire or electric shock.

#### DO NOT TOUCH THE PLUG WITH WET HANDS

Pulling or inserting the plug with wet hands may cause electric shock.

#### WHEN YOU INSTALL THE MONITOR ON YOUR COMPUTER

Be sure the computer is strong enough to hold the weight of the monitor, otherwise, you may damage your computer.

#### **REMARK FOR 24/7 USAGE**

This product is not specifically designed for 24/7 usage in all environments.

#### **OTHERS**

#### **ERGONOMIC RECOMMENDATIONS**

To eliminate eye fatigue, do not operate the monitor against a bright background or in a dark room. For optimal viewing comfort, the monitor should be just below eye level and 40-60 cm (16-24 inches) away from your eyes. When using the monitor over a prolonged time, a ten minute break every hour is recommended as looking at the screen continuously can cause eye strain.

# SPECIAL NOTES ON LCD MONITORS

The following symptoms are normal with LCD monitors and do not indicate a problem.

- **NOTE** When you first turn on the LCD monitor, the picture may not fit in the display area because of the type of computer that is used. In this case, adjust the picture position to the correct position.
  - You may find slightly uneven brightness on the screen depending on the desktop pattern you use.
  - Due to the nature of the LCD screen, an afterimage of the previous screen may remain after switching the image, when the same image is displayed for hours. In this case, the screen is recovered slowly by changing the image or turning off the Power Switch for hours.

# **CUSTOMER SERVICE**

**NOTE** If you have to return your unit for service and the original packaging has been discarded, please contact your dealer or iiyama service center for advice or replacement packaging.

# CLEANING

WARNING If you drop any materials or liquids such as water into the monitor when cleaning, unplug the power cable immediately and contact your dealer or iiyama service center.

#### NOTE

- To protect the Touch screen surface, do not scratch or rub the screen with a hard object.
  - Never use any of the following strong solvents. These will damage the cabinet and the Touch screen surface.

Abrasive cleaner Wax Solvent

- Touching the cabinet with any product made from rubber or plastic for a long time may cause degeneration or loss of paint on the cabinet.
- **CABINET** Stains can be removed with a cloth lightly moistened with a mild detergent solvent. Then wipe the cabinet with a soft dry cloth.

TOUCHTouch screen surface may be cleaned using a soft clean cloth moistened with mildSCREENwindow glass commercial cleaners or 50/50 mixture of water and isopropyl alcohol.

# **BEFORE YOU OPERATE THE MONITOR**

# FEATURES

- Supports Resolutions up to 1024 × 768 : ProLite T1531SR / ProLit T1531SAW
- Supports Resolutions up to 1280 × 1024 : ProLite T1731SR / ProLite T1731SAW / ProLite T1931SR / ProLite T1931SAW
- High Contrast 800:1 (Typical) / Brightness 280cd/m<sup>2</sup> (Typical: with Touch panel) : ProLite T1531SR-B5 B / ProLite T1531SR-W5 B
- High Contrast 800:1 (Typical) / Brightness 325cd/m<sup>2</sup> (Typical: with Touch panel) : ProLite T1531SAW-B5 B
- High Contrast 1000:1 (Typical) / Brightness 200cd/m<sup>2</sup> (Typical: with Touch panel) : ProLite T1731SR / ProLite T1931SR
- High Contrast 1000:1 (Typical) / Brightness 230cd/m<sup>2</sup> (Typical: with Touch panel) : ProLite T1731SAW / ProLite T1931SAW
- High Contrast 2500:1 (Typical) / Brightness 280cd/m<sup>2</sup> (Typical: with Touch panel) : ProLite T1531SR-B6 B / ProLite T1531SR-W6 B
- High Contrast 2500:1 (Typical) / Brightness 325cd/m<sup>2</sup> (Typical: with Touch panel) : ProLite T1531SAW-B6 B
- Digital Character Smoothing
- Automatic Set-up
- Stereo Speakers
   2 × 1W Stereo Speakers
- Plug & Play VESA DDC2B Compliant Windows<sup>®</sup> XP/Vista/7/8/8.1/10 Compliant
- Standby Feature
- VESA Mounting Standard (100mm×100mm) Compliant
- Keyhole for Security Lock
- IP54 Standard Compliant (Only front face)

#### Windows 8 / 8.1 / 10 touch environment

Basic touch operations can be performed under Windows 8 / 8.1 / 10. However, please be informed that full touch functionality and normal operational performance are not guaranteed.

■ When upgraded from Windows 8 / 8.1 to Windows 10

You need to start a dedicated software.

Please contact your dealer or iiyama service center.

#### When used from Windows 10

If you need to use the driver, please download the driver instruction from this product download website.

If you are using the USB connection, you can operate without installing the driver.

# CHECKING THE CONTENTS OF THE PACKAGE

The following accessories are included in your package. Check to see if they are enclosed with the monitor. If anything is missing or damaged, please contact your local iiyama dealer or regional iiyama office.

- Power Cable\*
- USB Cable
- Safety Guide
- HDMI Cable
- Audio Cable
- Quick Start Guide
- DisplayPort Cable
- Screw (M3x6mm)

CAUTION The rating of the Power Cable enclosed in 120V area is 10A/125V. If you are using a power supply higher than this rating, then a power cable with a rating of 10A/ 250V must be used. However, all guarantees and warranties are void for any problems or damage caused by a power cable not supplied by iiyama. An approved power cable greater or equal to H05VVF, 3G, 0.75mm<sup>2</sup> must be used.

# **SPECIAL NOTES ON TOUCH PANEL**

Permanent damage can occur if Sharp Edged, Pointed or Metal items are used to activate Touch. This could invalidate any remaining warranty.

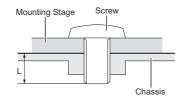
We recommend to use a plastic stylus (tip R0.8 or over) or finger.

# INSTALLATION

**WARNING** Before installation, make sure the wall, ceiling or desktop arm is strong enough to hold the necessary weight of the display and the mount.

#### < WALL MOUNTING >

WARNING When you use with the wall mounting, in consideration of thickness of the mounting stage, tighten the M4 Screws (4pcs) which "L" length is 8mm to fasten the monitor. Using the screw longer than this may cause electric shock or damage because it may contact with the electrical parts inside the monitor.



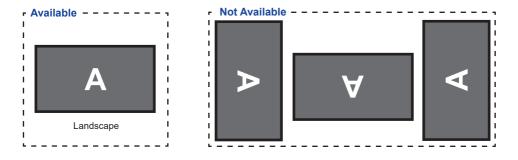
## < BUILT-IN EQUIPMENT >

**WARNING** This product is not designed for the purpose of being used in high temperature environment.

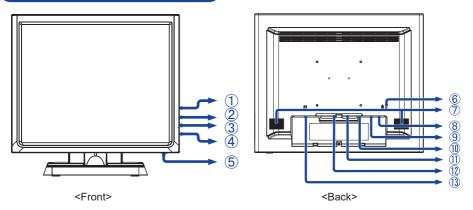
If the product is placed in an external cabinet, you need to design cooling fans and vents to keep the temperature low enough to fit in the product temperature specification.

## < ROTATING THE MONITOR >

It is designed to be compatible in landscape mode.



# CONTROLS AND CONNECTORS



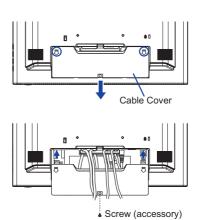
- ① Menu Button ( 🔄 )
- ② Scroll Up / Brightness Button ( $\triangle$ )
- (3) Scroll Down / Mute Button (  $\bigtriangledown$  )
- ④ Select Button (الے)
- ⑤ Power Switch (小)
- 6 Keyhole for Security Lock

**NOTE** You can fasten a security lock and cable to prevent the monitor from being removed without your permission.

- ⑦ Speakers
- (8) USB Connector (USB)
- (9) Audio Connector (AUDIO)
- 1 VGA Connector (VGA)
- 1 HDMI Connector (HDMI)
- DisplayPort Connector (DP)
- (13) AC Connector(  $\sim$  : Alternating current) (AC IN)

#### [Fitting and Removal of Cable Cover]

- Removal
- Press and hold on the Cable Cover and remove the Cable Cover.



BEFORE YOU OPERATE THE MONITOR 7

#### • Fitting

- 1 Place the Cable Cover.
- ② Fix the Monitor with the Cable Cover by the screw firmly.

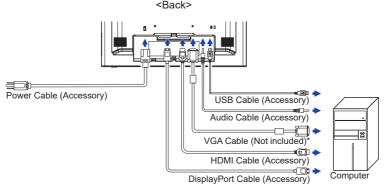
# CONNECTING YOUR MONITOR

- 1 Ensure that both the computer and the monitor are switched off.
- 2 Connect the computer to the monitor with the signal cable.
- ③ Connect the computer to the monitor with the USB Cable.
- ④ Connect the monitor to the audio equipment with the Audio Cable for computer when using the audio features.
- (5) Connect the Power Cable to the monitor first and then to the power source.
- ⑥ Turn on your monitor and computer.

NOTE Make sure that the building installation has a circuit breaker of 120/240V, 20A (maximum).

- The signal cables used for connecting the computer and monitor may vary with the type of computer used. An incorrect connection may cause serious damage to both the monitor and the computer. The cable supplied with the monitor is for a standard connector. If a special cable is required please contact your local iiyama dealer or regional iiyama office.
- Make sure you tighten the finger screws at each end of the Signal Cable.
- The Class I pluggable equipment Type A must be connected to protective earth.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.

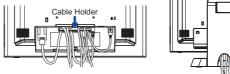
[Example of Connection]

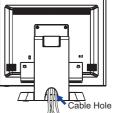


\* VGA cable is not supplied with the monitor. If you use low quality VGA cable, it may cause a result of electro-magnetic interference. Please contact the iiyama Support Centre in your country if you wish to connect the monitor via the VGA input.

#### [Collect Cables]

- 1 Put the cables through the cable holder and holes.
- ② Collect cables at the back of the stand.





# **COMPUTER SETTING**

Signal Timing

Change to the desired signal timing listed on page 29: COMPLIANT TIMING.

■ Windows XP/Vista/7/8/8.1/10 Plug & Play

The iiyama LCD monitor complies with DDC2B of VESA standard. The Plug & Play function runs on Windows XP/Vista/7/8/8.1/10 by connecting the monitor to DDC2B compliant computer with the Signal Cable supplied.

For installation on Windows XP: The monitor Information File for iiyama monitors may be necessary for your computer and obtained via the Internet, using the address:

http://www.iiyama.com

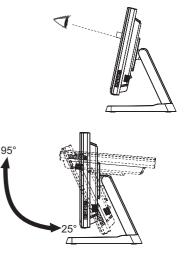
- **NOTE** For additional information on how to download the driver for your touch screen monitor, please access the internet site noted above.
  - Monitor Drivers are not required in most cases for Macintosh or Unix operating systems. For further information, please contact your computer dealer first for advice.
- Procedure for turning ON the Power Switch Turn ON the monitor first, and then the computer.
- Touch screen driver software

Touch screen driver software and system may not start when you start your computer while touching the screen.

Touch screen driver software may not run due to the power saving function depending on the BIOS of your computer. In this case, set the power saving function to off.

# ADJUSTING THE VIEWING ANGLE

- For optimal viewing it is recommended to look at the full face of the monitor.
- Hold the panel so that the monitor does not topple when you change the monitor's angle.
- You are able to adjust the monitor's angle up to 95 degrees upward, 25 degrees downward.
- **NOTE** Do not touch the LCD screen when you change the angle. It may cause damage or break the LCD screen.
  - Careful attention is required not to pinch your fingers or hands into the moving part of the stand when you change the angle.



# **OPERATING THE MONITOR**

To create the best picture, your iiyama LCD monitor has been preset at the factory with the COMPLIANT TIMING shown on page 29. You are also able to adjust the picture by following the button operation shown below. For more detailed adjustments, see page 16 for SCREEN ADJUSTMENTS.

① Press the 🗏 Button to start the On Screen Display feature. There are additional Menu items which can be switched by using the  $\triangle I \bigtriangledown$  Buttons.



- ② Select the Menu item which contains the adjustment icon relating to the adjustment you want to make. Use the ← Button to highlight the desired adjustment icon.
- ③ Use the  $\triangle$  /  $\bigtriangledown$  Buttons to make the appropriate adjustment or setting.

For example, to correct for vertical position, select Menu item of Picture. Then, select V-Position by using the  $\Leftarrow$  Button.

Use the  $\triangle$  /  $\bigtriangledown$  Buttons to change the vertical position settings. The vertical position of the overall display should be changing accordingly while you are doing this.



Press the E Button lastly, it ends, all changes are saved in the memory.

## NOTE

- When button operations are aborted during adjustment, On-Screen Display disappears when the time set for the OSD Timeout has passed.
- button can be used to return previous menu item.
- Any changes are automatically saved in the memory when the On Screen Display disappears. Turning off the power should be avoided while using the Menu.
- Adjustments for H/V-Position, Clock and Phase are saved for each signal timing. Except for these adjustments, all other adjustments have only one setting which applies to all signal timings.



• LOCK MODE:

Simultaneously press the  $\blacksquare$  button and the  $\bigtriangledown$  button when an image is displayed through VGA, HDMI or DisplayPort.

\* The OSD menu is not displayed when the OSD is locked. Press the lie button and the ▽ button simultaneously again.

The following OSD menu is displayed.

Adjustment Item	Problem / Option		
DOWED	Active	The POWER SWITCH is Locked.	
POWER	Inactive	The POWER SWITCH is Unlocked.	
0.05	Active	The OSD menu is Locked.	
OSD	Inactive	The OSD menu is Unlocked.	

**NOTE** When the lock function is enabled and there is no signal (standby mode), pressing the menu button displays the input selection menu and enables input selection.

### • TOUCH FUNCTION DISABLE:

- ON: Pressing and holding of the lie Button and the ← Button at the same time when the Menu is not displayed, massage "TOUCH DISABLE" will appear on the top right corner.
- OFF: Pressing and holding of the I Button and the ← Button at the same time for about 5 seconds when the Menu is not displayed, till "TOUCH DISABLE" disappears.

# ADJUSTMENT MENU CONTENTS

**Picture** 

	Contrast     50       ★     Brightness       100       H-Position       50       V-Position       50       ▶       Phase       14       Phase       150       ★       Auto Adjust	
Adjustment Item	Problem / Option Button to	Press
Contrast	Too dull Too intense	► △ ► ▽
Brightness*1 Direct	Too dark Too bright	▲
H-Position* <sup>4</sup>		<ul> <li>▲</li> <li>▲</li> <li>↓</li> <li>↓</li></ul>
V-Position* <sup>4</sup>	Too low Too high	$\begin{array}{c} \bullet \\ \bullet \\ \bullet \\ \bigtriangledown \end{array} \\ \bigtriangledown$
Phase* <sup>2,4</sup>	To correct flickering text or lines	
Clock* <sup>2,4</sup>	Too narrow Too wide	► △ ► ▽
Auto Adjust <sup>*3,4</sup>	Adjust H/V-Position, Clock and Phase automatically.	

\*<sup>1</sup> Adjust the Brightness when you are using the monitor in a dark room and feel the screen is too bright.

- \*<sup>2</sup> See page 16 for SCREEN ADJUSTMENTS.
- \*<sup>3</sup> For best results, use the Auto Adjust in conjunction with the adjustment pattern. See page 16 for SCREEN ADJUSTMENTS.

\*<sup>4</sup> Only Analog Input.

# Direct

You can skip the Menu items and directly display an adjustment scale by using the following button operations.

 $\bullet$  Brightness: Press the  $\bigtriangleup$  Button when the Menu is not displayed.

Advanced	Picture     Advant       Image: Display state     Advant       Image: Display state     Red       Image: Display state     Green       Image: Display state     Blue       Image: Display state     Sharpness		• • •	
Adjustment Item	Problem	/ Option	I	Button to Press
Color Temp	5500 6500 7500 9300 User	Greenish white Reddish white Yellowish white Bluish white Red Green Blue	-	
Sharpness	(soft to sha Press the , numerical picture qua Adjust the x 768(ProL x 1024(Pro ProLite T1	arp).	t resolutions of less roLite T1531SAW),1 ProLite T1731SAW/ T1931SAW). You ca	lity in e the 1024 $280$ $\clubsuit$

OSD	Picture       Avanced       OSD       Option         Image: Constraint of the state of the		
Adjustment Item	Problem / Option Bu	tton to Press	
OSD Timeout	You can set the OSD display duration time between 5 and 60 seconds. $\bigtriangleup$		
OSD Position	You can set the OSD position. User (Upper left / Lower left / Upper right / Lower right / Center) $\checkmark$		
OSD H-Position	OSD is too left OSD is too right		
OSD V-Position	OSD is too low OSD is too high	$ \stackrel{\clubsuit}{\clubsuit} \stackrel{\bigtriangleup}{\bigtriangledown} $	

Option	Picture Advanc	ed OSD Op	tion	
	<ul> <li>Reset</li> <li>Language</li> <li>Source Select</li> <li>DisplayMod</li> </ul>		> > >	
	<ul> <li>↓ Volume</li> <li>↓ Mute</li> <li>↓ Factory</li> </ul>	5 No	> > >	
	<select> =Enter, &lt;</select>	-,+> =Move, <menu>=E</menu>	xit	
Adjustment Item	Problem	/ Option		Button to Press
Reset	No	Return to Mer	าน.	
	Yes	Factory-prese	et data is restor	red.
	English	English	Español	Spanish
Language	Français	French	日本語	Japanese
	Deutsch	German	繁中	Traditional Chinese
	Italiano	Italian	简中	Simplified Chinese
	Auto	Search for an automatically.	available input	source and select
Source Select Direct	VGA	VGA Select the analog input.		
	HDMI Select the digital(HDMI) input.		ut.	
	DP	Select the dig	ital(DisplayPor	t) input.
NOTE However it will automa In Standby Mode input Input source is fixed, n are selected.	switching is d	isabled.		
		formation regard aphic card in yo	0	t input signal coming
Display Mode	11 2 2	•	0	e information about
	changing ti	ne resolution and	a refresh.	
Volume	Too soft $\bigstar$ Too loud $\bigstar$			
	No	Return the s	ound volume t	to the previous level.
Mute Direct	Yes Turn off the sound temporarily.			
Factory	This function is for service personnel only and therefore the operation is not available.			



You can skip the Menu items and directly display an option setting screen by using the following button operations.

- Source Select : Pressing the 🚽 Button during standby mode, the Source selected menu will be displayed.
- Mute : Press the  $\bigtriangledown$  Button when the Menu is not displayed.

ENGLISH

# SCREEN ADJUSTMENTS

Adjust the image by following the procedure below to get the desired picture when selecting Analog input.

- The screen adjustments described in this manual are designed to set image position and minimize flicker or blur for the particular computer in use.
- ProLite T1531 series are designed to provide the best performance at resolution of 1024 × 768, but can not provide the best at resolutions of less than 1024 × 768 because the picture is automatically stretched to fit the full screen. It is recommended to operate at resolution of 1024 × 768 in normal use.
- ProLite T1731 and ProLite T1931 series are designed to provide the best performance at resolution of 1280 × 1024, but can not provide the best at resolutions of less than 1280 × 1024 because the picture is automatically stretched to fit the full screen. It is recommended to operate at resolution of 1280 × 1024 in normal use.
- Displayed text or lines will be blurred or irregular in thickness when the picture is stretched due to the screen enlargement process.
- It is preferable to adjust the image position and frequency with the monitor controls, rather than the computer software or utilities.
- Perform adjustments after a warm-up period of at least thirty minutes.
- Additional adjustments may be required after the Auto Adjust depending on the resolution or signal timing.
- The Auto Adjust may not work correctly when displaying the picture other than the screen adjustment pattern. In this case, manual adjustments are required.

There are two ways to adjust the screen. One way is automatic adjustment for H/V-POSITION, H-SIZE and FINE. The other way is performing each adjustment manually.

Perform the Auto Adjust first when the monitor is connected to a new computer, or resolution is changed. If the screen has a flicker or blur, or the picture does not fit in the display area after performing the Auto Adjust, manual adjustments are required. Both adjustments should be made by using the screen adjustment pattern (Test.bmp) obtained via the iiyama web site (http://www.iiyama.com).

Adjust the image by following the procedure below to get the desired picture. This manual explains adjustment under Windows<sup>®</sup> OS.

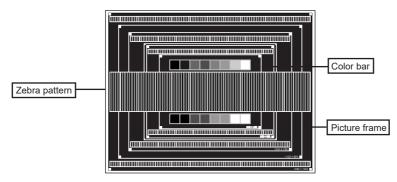
1 Display the picture at the optimum resolution.

#### 2 Enter the Test.bmp (screen adjustment pattern) to wallpaper.

**NOTE** Consult the appropriate documentation for doing this.

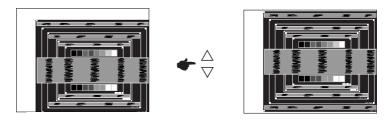
Set the display position to center in the wallpaper setting dialogue box.

[Adjustment pattern]

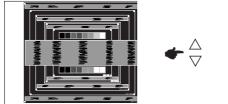


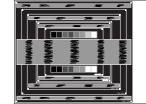
ENGLISH

- ③ Press the ← Button. (AUTO ADJUST)
- (4) Adjust the image manually by following procedure below when the screen has a flicker or blur, or the picture does not fit in the display area after performing the Auto Adjust.
- (5) Adjust the V-POSITION so that the top and bottom of the picture frame will fit to the display area.

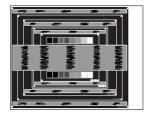


(6) 1) Adjust the H-POSITION so that the left side of the picture frame will move to the left edge of the display area.

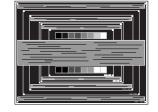




2) Stretch the right side of the picture frame to the right edge of the display area by adjusting the H-SIZE.

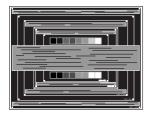




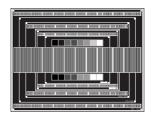


- **NOTE** When the left side of the picture frame moves apart from the left edge of the display area during the H-SIZE adjustment, adjust steps 1) and 2).
  - Another way to make the H-SIZE adjustment is to correct the vertical wavy lines in the zebra pattern.
  - The picture may flicker during the H-SIZE, H/V-POSITION adjustment.
  - In case the picture frame is bigger or smaller than the data display area after the H-SIZE adjustment, repeat steps from ③.

#### ⑦ Adjust the FINE to correct horizontal wavy noise, flicker or blur in the zebra pattern.







- NOTE In case the strong flicker or blurs remain on a part of the screen, repeat steps (6) and ⑦ because the H-SIZE may not be adjusted correctly.
  - Adjust the H-POSITION after the FINE adjustment if the horizontal position moves during the adjustment.
- ⑧ Adjust the Brightness and Color to get the desired picture after you complete the H-SIZE and FINE adjustments.

Put back your favorite wallpaper.

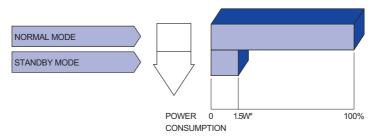
# STANDBY FEATURE

This product features the standby function. When activated, it automatically reduces unnecessary power consumption of the monitor when your computer is not in use.

There is a standby step the monitor takes as described below. The standby function, including any timer settings is configured by the operating system. Check your operating system manual for information on how this can be configured.

#### Standby Mode

When the video signal from the computer is off, the monitor enters into Standby Mode which reduces the power consumption to less than 1.5W\*. The screen becomes dark. From Standby Mode, the image reappears in several seconds when either the keyboard or the mouse are touched again.



\* When the USB devices are not connected.

# **TROUBLE SHOOTING**

If the monitor fails to operate correctly, please follow the steps below for a possible solution.

- 1. Perform the adjustments described in OPERATING THE MONITOR, depending on the problem you have. If the monitor does not get a picture, skip to 2.
- Consult the following items if you cannot find an appropriate adjustment item in OPERATING THE MONITOR or if the problem persists.
- 3. If you are experiencing a problem which is not described below or you cannot correct the problem, discontinue using the monitor and contact your dealer or iiyama service center for further assistance.

#### Problem

#### Check

1	The picture does not appear.	<ul> <li>The Power Cable is firmly seated in the socket.</li> <li>The Power Switch is turned ON.</li> <li>The AC socket is live. Please check with another piece of equipment.</li> <li>If the blank screen saver is in active mode, touch the keyboard or the mouse.</li> <li>Increase the Contrast and/or Brightness.</li> <li>The computer is ON.</li> <li>The Signal Cable is properly connected.</li> <li>The signal timing of the computer is within the specification of the monitor.</li> <li>If the monitor is in standby mode, touch the keyboard or the mouse.</li> </ul>
2	The screen is not synchronized.	<ul><li>The Signal Cable is properly connected.</li><li>The signal timing of the computer is within the specification of the monitor.</li></ul>
3	The screen position is not in the center.	□ The signal timing of the computer is within the specification of the monitor.
4	The screen is too bright or too dark.	$\hfill\square$ The video output level of the computer is within the specification of the monitor.
5	The screen is shaking.	<ul><li>The power voltage is within the specification of the monitor.</li><li>The signal timing of the computer is within the specification of the monitor.</li></ul>
6	No sound.	<ul> <li>The audio equipment (computer etc.) is ON.</li> <li>The Audio Cable is properly connected.</li> <li>The Volume is turned up.</li> <li>The Mute is OFF.</li> <li>The audio output level of the audio equipment is within the specification of the monitor.</li> </ul>
7	The sound is too loud or too quiet.	□ The audio output level of the audio equipment is within the specification of the monitor.
8	A strange noise is heard.	□ The Audio Cable is properly connected.
9	The touch screen shows no response.	<ul> <li>The USB Cable is firmly seated in the socket.</li> <li>Touch screen driver software is installed. (When USB is connected with Windows7 earlier versions.)</li> </ul>
10	The touch position does not deviate.	□ The calibration function set up correctly.

# **RECYCLING INFORMATION**

For better environment protection please don't dispose your monitor. Please visit our web site: www.iiyama.com for monitor recycling.

# APPENDIX

# SPECIFICATIONS : ProLite T1531SR

Model Na	ame	ProLite T1531SR-B5 B / ProLite T1531SR-W5 B	ProLite T1531SR-B6 B / ProLite T1531SR-W6 B	
TechnologyTouchSurface processingScreenLight transmission		Resistive-Film		
		Anti-glare treatment 80%		
	Communication system	USB serial transfer		
Size Cat	egory	15"		
	Panel technology	TN	VA	
	Size	Diagonal: 15" (38cm)		
	Pixel pitch	0.297mm H × 0.297mm V		
LCD Panel	Brightness	350cd/m <sup>2</sup> (Typical: without Touc 280cd/m <sup>2</sup> (Typical: with Touch p	h panel), anel)	
	Contrast ratio	800 : 1 (Typical)	2500 : 1 (Typical)	
	Viewable angle	Horizontal : 176 degrees, Vertica	al: 176 degrees (Typical)	
	Response time	8ms (Black, White, Black Typical)	18ms (Black, White, Black Typical)	
Display 0	Colors	Approx. 16.2M		
Sync Fre	quency	Horizontal: 31.47-60.02kHz, Vertical: 56-75Hz	Horizontal: 31.47-60.02kHz, Vertical: 50-70Hz	
Maximun	n Resolution	1024 × 768, 0.8 MegaPixels		
Input Co	nnector	VGA, HDMI, DisplayPort		
Plug & P	lay	VESA DDC2B <sup>™</sup>		
Input Syr	nc Signal	Separate sync: TTL, Positive or	Negative	
Input Vid	eo Signal	Analog: 0.7Vp-p (Standard), 75Ω, Positive Digital: HDMI, DisplayPort		
Input Aud	dio Connector	ø 3.5mm mini jack (Stereo)		
Input Aud	dio Signal	0.5Vrms maximum		
Speakers	5	1W × 2 (Stereo speakers)		
Maximun	n Screen Size	304.1mm W × 228.1mm H / 12.0" W × 9.0" H		
Power S	ource	100-240VAC, 50-60Hz, 1A		
Power C	onsumption*1	16W typical Standby mode: 1.5W maximum, Off mode: 0.3W maximum		
Dimensions / Net Weight		351.0 × 336.5 × 253.5mm / 13.8 × 13.2 × 10.0" (W×H×D) 4.6kg / 10.1lbs		
Tilt Angle	)	Upward: 95 degrees Downward	d: 25 degrees	
Environmental Considerations		Humidity 20 Storage: Temperature -20 Humidity 10	o 40°C / 32 to 104°F to 80% (No condensation) ) to 60°C / -4 to 140°F to 90% (No condensation)	
Approval	S	CE, UKCA, EAC, cULus, VCCI,	IP54* <sup>2</sup>	

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**NOTE** \*<sup>1</sup> When the USB devices are not connected.

\*<sup>2</sup> IP54 Standard Compliant : Only front face

# SPECIFICATIONS : ProLite T1531SAW

Model Na	ame	ProLite T1531SAW-B5 B	ProLite T1531SAW-B6 B	
Technology		Surface acoustic wave		
Touch Screen	Surface processing Light transmission	Anti-glare treatment 92%		
	Communication system	USB serial transfer		
Size Cate	egory	15"		
	Panel technology	TN	VA	
	Size	Diagonal: 15" (38cm)		
	Pixel pitch	0.297mm H × 0.297mm V		
LCD Panel	Brightness	350cd/m <sup>2</sup> (Typical: without Touc 325cd/m <sup>2</sup> (Typical: with Touch p	h panel), anel)	
	Contrast ratio	800 : 1 (Typical)	2500 : 1 (Typical)	
	Viewable angle	Horizontal : 176 degrees, Vertic	al: 176 degrees (Typical)	
	Response time	8ms (Black, White, Black Typical)	18ms (Black, White, Black Typical)	
Display C	Colors	Approx. 16.2M		
Sync Fre	quency	Horizontal: 31.47-60.02kHz, Vertical: 56-75Hz	Horizontal: 31.47-60.02kHz, Vertical: 50-70Hz	
Maximum Resolution		1024 × 768, 0.8 MegaPixels		
Input Connector		VGA, HDMI, DisplayPort		
Plug & Pl	lay	VESA DDC2B <sup>™</sup>		
Input Syr	nc Signal	Separate sync: TTL, Positive or	Negative	
Input Vid	eo Signal	Analog: 0.7Vp-p (Standard), 75Ω, Positive Digital: HDMI, DisplayPort		
Input Auc	dio Connector	ø 3.5mm mini jack (Stereo)		
Input Auc	dio Signal	0.5Vrms maximum		
Speakers	3	1W × 2 (Stereo speakers)		
Maximun	n Screen Size	304.1mm W × 228.1mm H / 12.0" W × 9.0" H		
Power So	ource	100-240VAC, 50-60Hz, 1A		
Power Co	onsumption*1	16W typical Standby mode: 1.5W maximum, Off mode: 0.3W maximum		
Dimensions / Net Weight		351.0 × 336.5 × 253.5mm / 13.8 × 13.2 × 10.0" (W×H×D) 4.6kg / 10.1lbs		
Tilt Angle		Upward: 95 degrees Downward	d: 25 degrees	
Environmental Considerations		Humidity20Storage:TemperatureHumidity10	o 40°C / 32 to 104°F to 80% (No condensation) 0 to 60°C / -4 to 140°F to 90% (No condensation)	
Approval	S	CE, UKCA, EAC, cULus, VCCI, IP54*2		

APPENDIX 23

**NOTE** \*<sup>1</sup> When the USB devices are not connected.

# SPECIFICATIONS : ProLite T1731SR

Model Name		ProLite T1731SR-B5 B / ProLite T1731SR-W5 B ProLite T1731SR-B5 C / ProLite T1731SR-W5 C	
TechnologyTouch ScreenSurface processing Light transmission		Resistive-Film	
		Anti-glare treatment 80%	
	Communication system	USB serial transfer	
Size Cate	egory	17"	
Panel technology		TN	
	Size	Diagonal: 17" (43cm)	
	Pixel pitch	0.264mm H × 0.264mm V	
LCD Panel	Brightness	250cd/m² (Typical: without Touch panel), 200cd/m² (Typical: with Touch panel)	
	Contrast ratio	1000 : 1 (Typical)	
	Viewable angle	Horizontal : 170 degrees, Vertical: 160 degrees (Typical)	
	Response time	5ms (Black, White, Black Typical)	
Display 0	Colors	Approx.16.7M	
Sync Fre	quency	Horizontal: 31.0-80.0kHz, Vertical: 50-75Hz	
Maximum Resolution		1280 × 1024, 1.3 MegaPixels	
Input Co	nnector	VGA, HDMI, DisplayPort	
Plug & P	lay	VESA DDC2B <sup>™</sup>	
Input Syr	nc Signal	Separate sync: TTL, Positive or Negative	
Input Vid	eo Signal	Analog: 0.7Vp-p (Standard), 75Ω, Positive Digital: HDMI, DisplayPort	
Input Aud	dio Connector	ø 3.5mm mini jack (Stereo)	
Input Aud	dio Signal	0.5Vrms maximum	
Speakers	3	1W × 2 (Stereo speakers)	
Maximun	n Screen Size	337.920mm W × 270.336mm H / 13.3" W × 10.6" H	
Power Se	ource	100-240VAC, 50-60Hz, 1A	
Power Consumption*1		20W typical Standby mode: 1.5W maximum, Off mode: 0.3W maximum	
Dimensions / Net Weight		387.0 × 372.0 × 253.5mm / 15.2 × 14.6 × 10.0" (W×H×D) 5.3kg / 11.7lbs	
Tilt Angle		Upward: 95 degrees Downward: 25 degrees	
Environmental Considerations		Operating:Temperature Humidity0 to 40°C / 32 to 104°F 20 to 80% (No condensation)Storage:Temperature Humidity-20 to 60°C / -4 to 140°F 10 to 90% (No condensation)	
Approval	s	CE, UKCA, EAC, cULus, VCCI, IP54* <sup>2</sup>	

NOTE

 ${}^{\star^1}$  When the USB devices are not connected.

# SPECIFICATIONS : ProLite T1731SAW

Model N	ame	ProLite T1731SAW-B5 B / ProLite T1731SAW-B5 C		
Touch ScreenTechnologySurface processing Light transmission		Surface acoustic wave		
		Anti-glare treatment 92%		
	Communication system	USB serial transfer		
Size Cat	egory	17"		
Panel technology		TN		
	Size	Diagonal: 17" (43cm)		
	Pixel pitch	0.264mm H × 0.264mm V		
LCD Panel	Brightness	250cd/m <sup>2</sup> (Typical: without Touch panel), 230cd/m <sup>2</sup> (Typical: with Touch panel)		
	Contrast ratio	1000 : 1 (Typical)		
	Viewable angle	Horizontal : 170 degrees, Vertical: 160 degrees (Typical)		
	Response time	5ms (Black, White, Black Typical)		
Display (	Colors	Approx.16.7M		
Sync Fre	equency	Horizontal: 31.0-80.0kHz, Vertical: 50-75Hz		
Maximur	n Resolution	1280 × 1024, 1.3 MegaPixels		
Input Connector		VGA, HDMI, DisplayPort		
Plug & Play VESA DDC2B <sup>™</sup>				
Input Sync Signal Separate sync: TTL, Positive or Negative		Separate sync: TTL, Positive or Negative		
Input Vic	leo Signal	Analog: 0.7Vp-p (Standard), 75Ω, Positive Digital: HDMI, DisplayPort		
Input Au	dio Connector	ø 3.5mm mini jack (Stereo)		
Input Au	dio Signal	0.5Vrms maximum		
Speaker	S	1W × 2 (Stereo speakers)		
Maximur	n Screen Size	337.920mm W × 270.336mm H / 13.3" W × 10.6" H		
Power S	ource	100-240VAC, 50-60Hz, 1A		
Power C	consumption*1	20W typical Standby mode: 1.5W maximum, Off mode: 0.3W maximum		
Dimensions / Net Weight         387.0 × 372.0 × 253.5mm / 15.2 × 14.6 × 10.0" (W×H×D           5.3kg / 11.7lbs         5.3kg / 11.7lbs		387.0 × 372.0 × 253.5mm / 15.2 × 14.6 × 10.0" (W×H×D) 5.3kg / 11.7lbs		
Tilt Angle	Э	Upward: 95 degrees Downward: 25 degrees		
Environmental Considerations		Operating:Temperature Humidity0 to 40°C / 32 to 104°F 20 to 80% (No condensation)Storage:Temperature Humidity-20 to 60°C / -4 to 140°F 10 to 90% (No condensation)		
Approvals CE, UKCA, EAC, cULus, VCCI, IP54* <sup>2</sup>				

**NOTE** \*<sup>1</sup> When the USB devices are not connected.

# SPECIFICATIONS : ProLite T1931SR

Model Na	ame	ProLite T1931SR-B5 B / ProLite T1931SR-W5 B	ProLite T1931SR-B6 B / ProLite T1931SR-W6 B	ProLite T1931SR-B6 C / ProLite T1931SR-W6 C
Technology		Resistive-Film		
Touch Screen	Surface processing Light transmission	Anti-glare treatment 80%		
	Communication system	USB serial transfer		
Size Cat	egory	19"		
	Panel technology TN IPS IPS (In-Plan			IPS (In-Plane-Switching)
	Size	Diagonal: 19" (48cm)	)	
	Pixel pitch	0.294mm H × 0.294mm V	0.2928mm H × 0.292	28mm V
LCD Panel	Brightness	250cd/m <sup>2</sup> (Typical: w 200cd/m <sup>2</sup> (Typical: w	ithout Touch panel), ith Touch panel)	
1 and	Contrast ratio	1000 : 1 (Typical)		
	Viewable angle	Horizontal : 178 deg	rees, Vertical: 178 deg	grees (Typical)
	Response time	5ms (Black, White, Black Typical)	14ms(Gray to Gray	Typical)
Display (	Colors	Approx.16.7M		
Sync Fre	equency	Horizontal: 31.0-80.0kHz, Vertical: 50-75Hz		
Maximur	n Resolution	1280 × 1024, 1.3 MegaPixels		
Input Co	nnector	VGA, HDMI, DisplayPort		
Plug & P	lay	VESA DDC2B <sup>™</sup>		
Input Sy	nc Signal	Separate sync: TTL,	Positive or Negative	
Input Vid	eo Signal	Analog: 0.7Vp-p (Sta Digital: HDMI, Displa	ndard), 75Ω, Positive yPort	
Input Au	dio Connector	ø 3.5mm mini jack (S	Stereo)	
Input Au	dio Signal	0.5Vrms maximum		
Speaker	S	1W × 2 (Stereo speakers)		
Maximur	n Screen Size	376.320×301.056mm / 14.8×11.9"	374.78×299.83mm /	14.7×11.8"
Power S	ource	100-240VAC, 50-60H	Iz, 1A	
Power C	onsumption*1	20W typical Standby mode: 1.5W maximum, Off mode: 0.3W maximum		
Dimensio	ons / Net Weight	432.0 × 407.5 × 253.5mm / 17.0 × 16.0 × 10.0" (W×H×D) 6.2kg / 13.7lbs		0.0" (W×H×D)
Tilt Angle	)	Upward: 95 degrees	Downward: 25 degree	es
Environn	nental Considerations	Operating: Temper Humidit Storage: Temper Humidit	20 to 80% (No ature -20 to 60°C / - ty 10 to 90% (No	condensation)
Approval	S	CE, UKCA, EAC, cU	Lus, VCCI, IP54* <sup>2</sup>	

NOTE

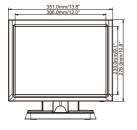
 $^{\ast ^{1}}$  When the USB devices are not connected.

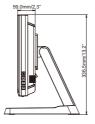
# SPECIFICATIONS : ProLite T1931SAW

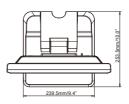
Model Name		ProLite T1931SAW-B5 B	ProLite T1931SAW-B6 B	ProLite T1931SAW-B6 C	
	Technology	Surface acoustic wave			
Touch Screen	Surface processing Light transmission	Anti-glare treatment 92%			
	Communication system	USB serial transfer			
Size Category		19"			
LCD Panel	Panel technology	TN	IPS	IPS (In-Plane-Switching)	
	Size	Diagonal: 19" (48cm)			
	Pixel pitch	0.294mm H × 0.294mm V 0.2928mm H × 0.2928mm V			
	Brightness	250cd/m <sup>2</sup> (Typical: without Touch panel), 230cd/m <sup>2</sup> (Typical: with Touch panel)			
	Contrast ratio	1000 : 1 (Typical)			
	Viewable angle	Horizontal : 178 degrees, Vertical: 178 degrees (Typical)			
	Response time	5ms (Black, White, Black Typical)	14ms(Gray to Gray Typical)		
Display Colors		Approx.16.7M			
Sync Frequency		Horizontal: 31.0-80.0kHz, Vertical: 50-75Hz			
Maximum Resolution		1280 × 1024, 1.3 MegaPixels			
Input Connector		VGA, HDMI, DisplayPort			
Plug & Play		VESA DDC2B <sup>™</sup>			
Input Sync Signal		Separate sync: TTL, Positive or Negative			
Input Video Signal		Analog: 0.7Vp-p (Standard), 75Ω, Positive Digital: HDMI, DisplayPort			
Input Audio Connector		ø 3.5mm mini jack (Stereo)			
Input Audio Signal		0.5Vrms maximum			
Speakers		1W × 2 (Stereo speakers)			
Maximum Screen Size		376.320×301.056mm / 14.8×11.9"	374.78×299.83mm / 14.7×11.8"		
Power Source		100-240VAC, 50-60Hz, 1A			
Power Consumption* <sup>1</sup>		20W typical Standby mode: 1.5W maximum, Off mode: 0.3W maximum			
Dimensions / Net Weight		432.0 × 407.5 × 253.5mm / 17.0 × 16.0 × 10.0" (W×H×D) 6.2kg / 13.7lbs			
Tilt Angle		Upward: 95 degrees Downward: 25 degrees			
Environmental Considerations		Operating: Temper Humidit Storage: Temper Humidit	y 20 to 80% (No ature -20 to 60°C / - y 10 to 90% (No	o condensation)	
Approvals		CE, UKCA, EAC, cULus, IP54* <sup>2</sup>			

**NOTE** \*<sup>1</sup> When the USB devices are not connected.

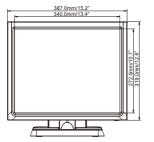
# DIMENSIONS : ProLite T1531SR / ProLite T1531SAW



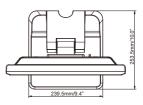




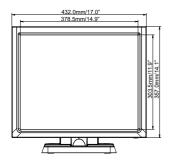
# DIMENSIONS : ProLite T1731SR / ProLite T1731SAW

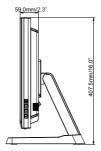


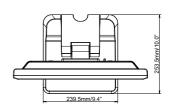




# DIMENSIONS : ProLite T1931SR / ProLite T1931SAW







# COMPLIANT TIMING

Video Mode	Horizontal Frequency	Vertical Frequency	Dot Clock	
	31.469kHz	59.940Hz	25.175MHz	]
640 × 480	37.500kHz	75.000Hz	31.500MHz	*2
	37.861kHz	72.809Hz	31.500MHz	*2
	35.156kHz	56.250Hz	36.000MHz	
800 × 600	37.879kHz	60.317Hz	40.000MHz	]
800 × 600	46.875kHz	75.000Hz	49.500MHz	*2
	48.077kHz	72.188Hz	50.000MHz	*2
	48.363kHz	60.004Hz	65.000MHz	]
1024 × 768	56.476kHz	70.069Hz	75.000MHz	]
	60.023kHz	75.029Hz	78.750MHz	*2
1280 × 1024	63.981kHz	60.020Hz	108.000MHz	*1
1200 * 1024	79.976kHz	75.025Hz	135.000MHz	*1

# NOTE

\*<sup>1</sup> Not compliant to ProLite T1531SR / ProLite T1531SAW.

\*2 Not compliant to ProLite T1531SR-B6 B / ProLite T1531SR-W6 B / ProLite T1531SAW-B6 B.