

**INSIGNIA™**

# 24" FHD LED Backlit Gaming Monitor

**NS-PMG248**



Before using your new product, please read these instructions to prevent any damage.

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# CHILD SAFETY

## PROPER MONITOR PLACEMENT MATTERS



### THE CONSUMER ELECTRONICS INDUSTRY CARES

- Manufacturers, retailers, and the rest of the consumer electronics industry are committed to making home entertainment safe and enjoyable.
- As you enjoy your monitor, please note that all monitors - new and old - must be supported on proper stands or installed according to the manufacturer's recommendations. Monitors that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests, carts, etc., may fall over, resulting in injury.

### TUNE IN TO SAFETY

- **ALWAYS** follow the manufacturer's recommendations for the safe installation of your monitor.
- **ALWAYS** read and follow all instructions for proper use of your monitor.
- **NEVER** allow children to climb on or play on the monitor or the furniture on which the monitor is placed.
- **NEVER** place the monitor on furniture that can easily be used as steps, such as a chest of drawers.
- **ALWAYS** install the monitor where it cannot be pushed, pulled over or knocked down.
- **ALWAYS** route cords and cables connected to the monitor so that they cannot be tripped over, pulled or grabbed.



### WALL OR CEILING MOUNT YOUR MONITOR

- **ALWAYS** contact your retailer about professional installation if you have any doubts about your ability to safely mount your monitor.
- Mout is included with monitor. Should this bullet be deleted?
- **ALWAYS** use a mount that has been recommended by the monitor manufacturer and has a safety certification by an independent laboratory (such as UL, CSA, ETL).
  - **ALWAYS** follow all instructions supplied by the monitor and mount manufacturers.
  - **ALWAYS** make sure that the wall or ceiling where you are mounting the monitor is appropriate. Some mounts are not designed to be mounted to walls and ceilings with steel studs or cinder block construction. If you are unsure, contact a professional installer.
  - Monitors can be heavy. A minimum of two people is required for a wall or ceiling mount installation.



### MOVING AN OLDER MONITOR TO A NEW PLACE IN YOUR HOME

- Many new monitor buyers move their older CRT monitors into a secondary room after the purchase of a flat-panel monitor. Special care should be made in the placement of older CRT monitors.
- **ALWAYS** place your older CRT monitor on furniture that is sturdy and appropriate for its size and weight.
- **NEVER** place your older CRT monitor on a dresser where children may be tempted to use the drawers to climb.
- **ALWAYS** make sure your older CRT monitor does not hang over the edge of your furniture.

## Important Safety Instructions

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.
- 6 Clean only with a dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 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 wide 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.
- 10 Protect the power cord from being walked on or pinched particularly at plugs, power outlets, and the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.
- 12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15 The *wall plug* is the disconnecting device. The plug must remain readily operable.
- 16 The apparatus should not be exposed to dripping or splashing, and no objects filled with liquids, such as vases, should be placed on the apparatus.
- 17 Do not overload power strips and extension cords. Overloading can result in fire or electric shock.
- 18 Never push any object into the slot on the monitor cabinet. It could short circuit parts causing a fire or electric shock. Never spill liquids on the monitor.
- 19 To ensure satisfactory operation, use the monitor only with UL listed computers which have appropriate configured receptacles marked between 100 - 240V AC, Min. 5A.

## WARNING

### **Electric shock hazard**

To reduce the risk of fire or electric shock, do not remove any cover or expose the device to rain or moisture. No user-serviceable parts are inside. Refer servicing to qualified service technicians.

### **Lightning**

For added protection for your device receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the power outlet. This helps prevent property damage from power line surges.

### **Handling the LCD panel**

- Do not drop your monitor or hit, jolt, or press hard against the LCD panel. If the screen breaks, be careful of broken glass.
- If the LCD panel is broken, make absolutely sure that you do not touch the liquid in the panel. This may cause skin inflammation.
- If the liquid gets in your mouth, immediately gargle, rinse, and consult with your doctor. Also, if the liquid gets in your eyes or touches your skin, consult with your doctor after rinsing for at least 15 minutes or longer in clean water.

### **Replacement parts**

When replacement parts are required, make sure that the service technician uses replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, personal injury, or other hazards.

### **Safety check**

After completing any service or repair to this device, ask the service technician to perform routine safety checks to determine that your monitor is in correct operating condition.

### **Power source**

Operate your monitor only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult an electrician or your local power company.

### **Servicing**

These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

## CAUTION

### **Damage requiring service**

Unplug this monitor from the power outlet and refer servicing to qualified service personnel under the following conditions:

- When the power supply cord or plug is damaged or frayed.
- If liquid has been spilled or objects have fallen into your monitor.

- If your monitor has been exposed to rain or water.
- If your monitor does not operate normally by following the operating instructions. Adjust only those controls covered by the operating instructions because incorrect adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore your monitor to its normal operation.
- If your monitor has been dropped or damaged in any way.
- When your monitor exhibits a distinct change in performance.

### **End of life directives**

Your monitor may contain materials that are regulated for environmental reasons. Your monitor also contains materials that can be recycled and reused. To help protect the environment, contact your local authorities for information about disposal or recycling and about finding a recycler in your area before you dispose of your monitor.

### **Special notes on LCD monitors**

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

- Due to the nature of the fluorescent light, the screen may flicker during initial use. Turn off your monitor, then turn it on again to make sure the flicker disappears.
- You may find slightly uneven brightness on the screen depending on the display properties you use.
- The LCD screen has effective pixels of 99.99% or more. It may include blemishes of 0.01% or less such as a missing pixel or a pixel lit all of the time.
- Due to the nature of the LCD screen, an afterimage of the previous screen may remain after switching the image when the same image has been displayed for a long time. Your monitor will slowly recover from this.
- When the screen becomes black or flashing, or cannot illuminate any more, contact your dealer or service center to replace parts. Don't repair the screen by yourself.

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# 24" FHD LED Backlit Gaming Monitor

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## Introduction

Congratulations on your purchase of a high-quality Insignia product. Your NS-PMG248 represents the state of the art in gaming monitor technology and is designed for reliable and trouble-free performance.

- 24" FHD LED Backlit Gaming Monitor
- Crisp, clear display for Windows®
- Recommend resolution: 1920 x 1080 @120Hz
- 1ms response time
- 144Hz maximum refresh rate when using the Displayport and a computer with an AMD or NVIDIA graphics card
- Ergonomic design
- Space saving, compact case design
- Fully Plug & Play using the DDC2B

## System requirements for optimal performance

- A dedicated graphics card that supports the resolution/refresh rate of the monitor
- A Displayport
- At least 8 GB, 16 GB OF RAM
- A i5/i7 CPU (four threads on at least two cores)

## Installing the stand or wall-mount bracket

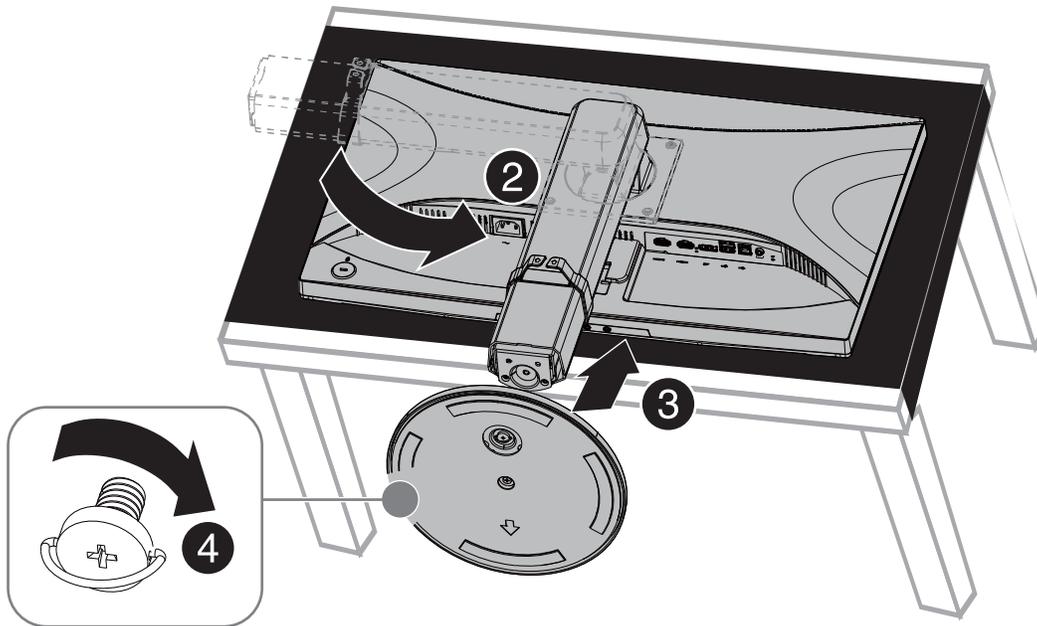
- If you want to place your monitor on a table or in an entertainment center, go to [Installing the stand](#).
- If you want to mount your monitor on a wall, go to [Installing a wall-mount bracket](#).

### Notes

- If you plan to wall-mount your monitor, do not install the stand.
- Store the stand in case you decide to use it in the future.

## Installing the stand

- 1 Place the monitor screen face down on a cushioned, clean surface with the bottom edge hanging over the edge of the surface.



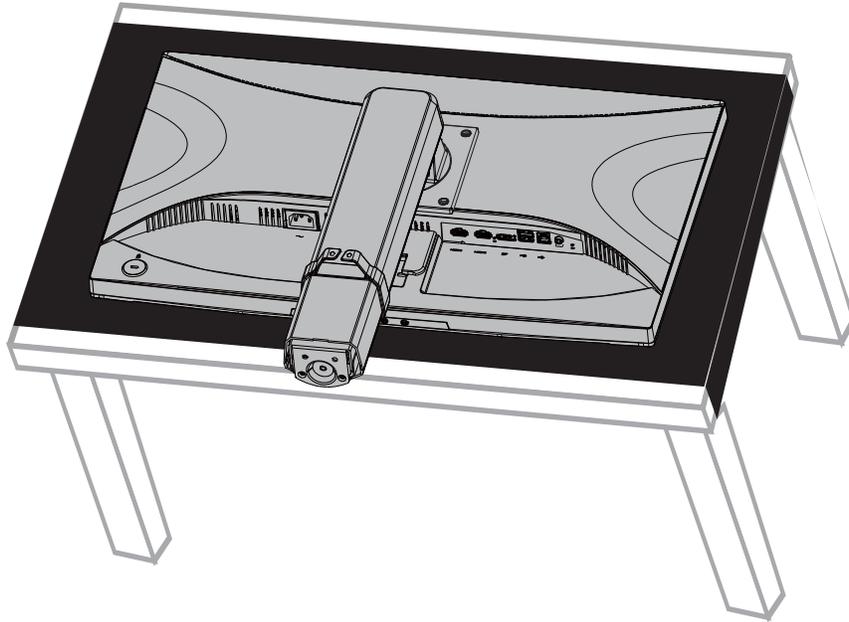
- 2 Rotate the monitor stand down until it locks into place
- 3 Slide the stand into the indentation on the stand base, then push the stand base onto the stand.
- 4 Tighten the screw to secure your monitor to the base.

## Installing a wall-mount bracket

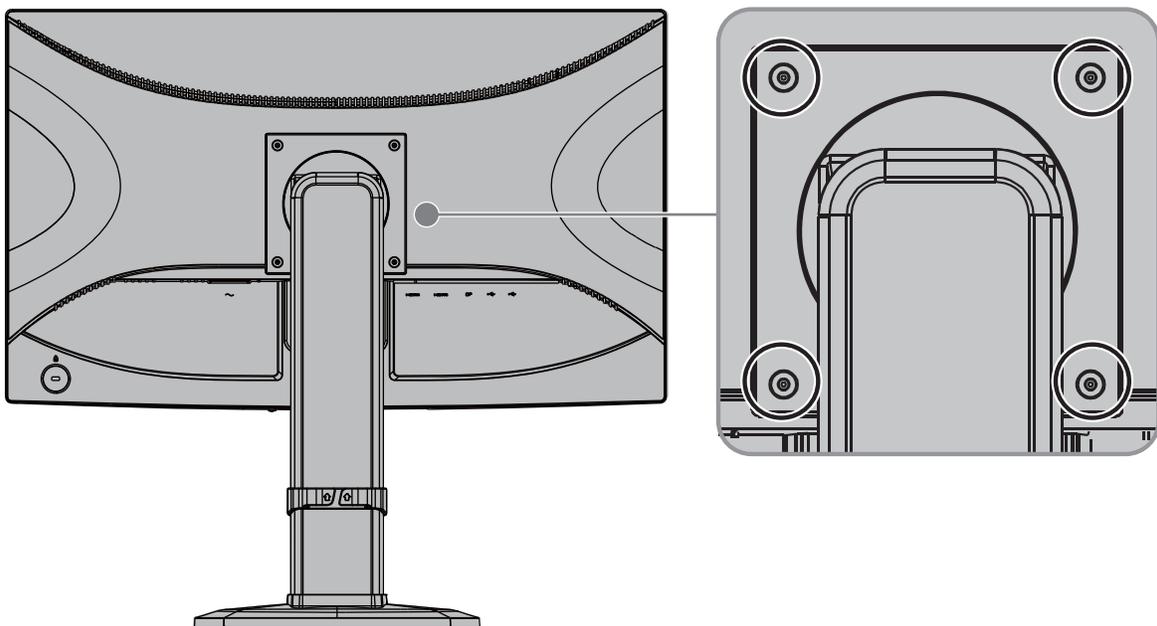
### Warnings

- Your monitor has four VESA mounting holes on the back. If you attach a wall-mount bracket to the back of your monitor, **the bracket must be securely attached, using all four holes.** If you do not use all four mounting holes, your monitor may fall and cause property damage or personal injury. See the documentation that came with your wall mount for complete mounting instructions.
- Your monitor is intended to be supported by a UL Listed wall mount bracket with suitable weight/load.

- 1 Carefully place your monitor face-down on a cushioned, clean surface to protect the screen.



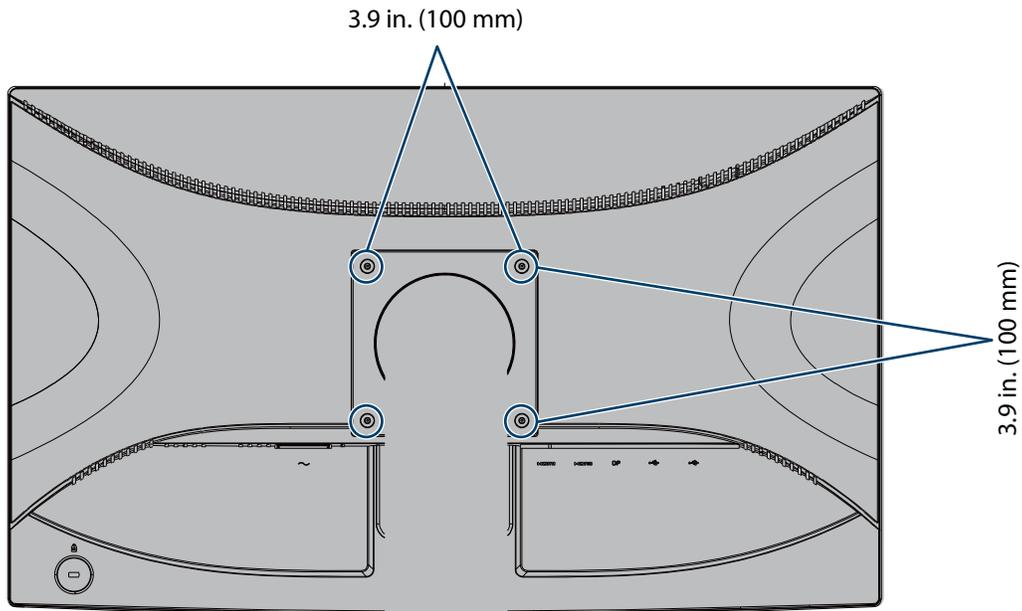
- 2 Remove the four screws that secure the stand to the back of your monitor.



- 3 Attach the wall-mount bracket to your monitor using the mounting holes on the back of your monitor. See the instructions that came with the wall-mount bracket for information about how to correctly hang your monitor.

**Notes**

- The length of the wall-mount screws vary depending on the wall-mount bracket you purchased. See the instructions that came with the wall-mount bracket for screw lengths.
- The mounting holes on the back of your monitor take type M4 screws.



## Monitor components

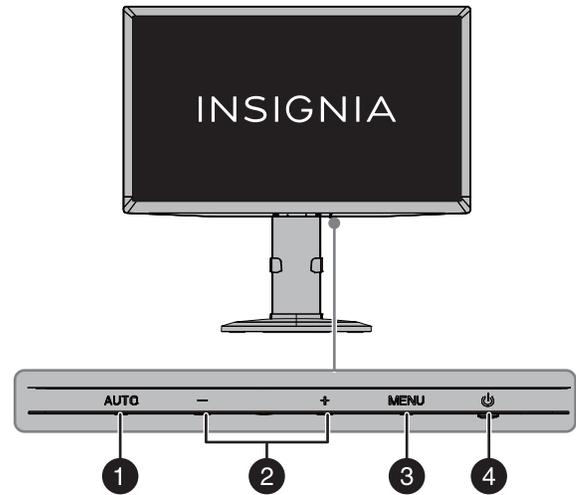
This section contains information about:

- [Package contents](#)
- [Front controls](#)
- [Back ports](#)

### Package contents

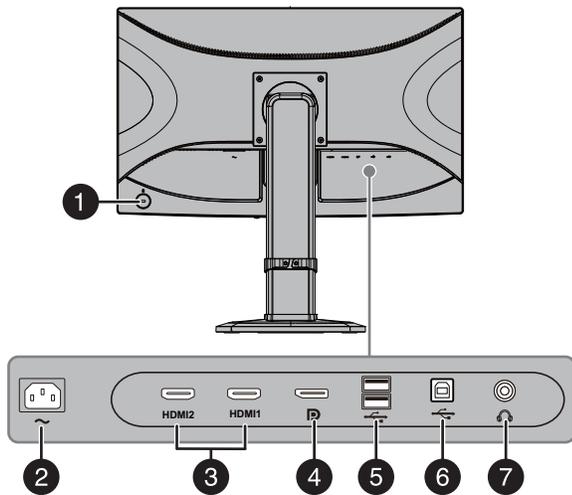
- 24" FHD LED Backlit Gaming Monitor
- Monitor stand base
- Displayport cable
- HDMI cable
- Power cord
- *Quick Setup Guide*

## Front controls



#	Button	Press to...
1	AUTO	<ul style="list-style-type: none"> <li>• Select the video input source.</li> <li>• Close the menu when it is open.</li> </ul>
2	- and +	<ul style="list-style-type: none"> <li>• Navigate in the menu options.</li> <li>• Decrease or increase the setting when a menu option is selected.</li> </ul>
3	MENU	<ul style="list-style-type: none"> <li>• Open the menu.</li> <li>• Confirm selections when the menu is open.</li> <li>• Turns the OSD lock on or off. For more information, see <a href="#">Locking or unlocking the menu</a> on page 18.</li> </ul>
4	⏻ (power)	Turn your monitor on or off. The power indicator: <ul style="list-style-type: none"> <li>• Lights blue when your monitor is on</li> <li>• Lights orange when your monitor is in standby mode.</li> <li>• Turns off when your monitor is off.</li> </ul>

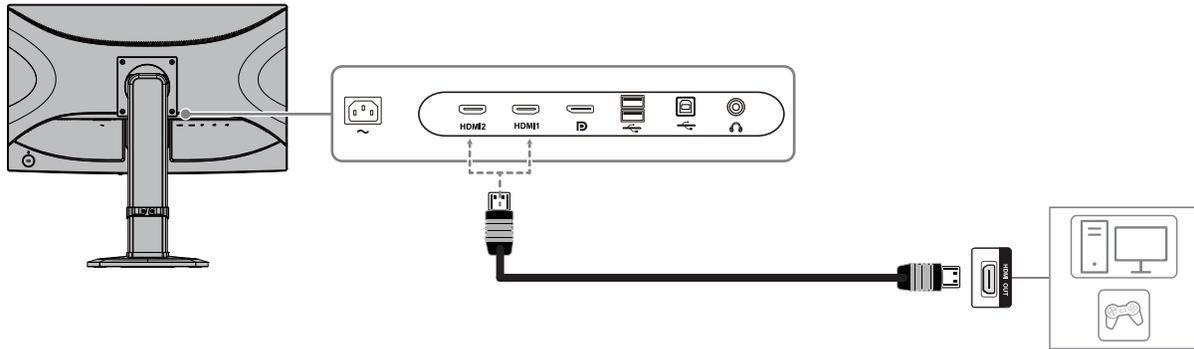
## Back ports



#	Item	Description
1	Cable lock slot	Slide a lock cable through this slot to secure your monitor to another object.
2	Power	Plug the power cord into this connector and into a power outlet.
3	HDMI1 and HDMI2	Connect a computer or game controller with an HDMI jack to one of these ports. See <a href="#">Connecting a device using the HDMI port</a> on page 12.
4	Displayport	Connect a computer with a Displayport to this port. See <a href="#">Connecting a device using the Displayport</a> on page 12.
5	USB downstream port	Connect USB devices such as a mouse and keyboard to these ports. See <a href="#">Connecting the USB ports</a> on page 13.
6	USB upstream port	Connect one end of the USB upstream cable to this port, then connect the other end to a USB port on your computer. See <a href="#">Connecting the USB ports</a> on page 13.
7	Headphone	Connect headphones to this jack. For more information, see <a href="#">Connecting headphones</a> on page 13.

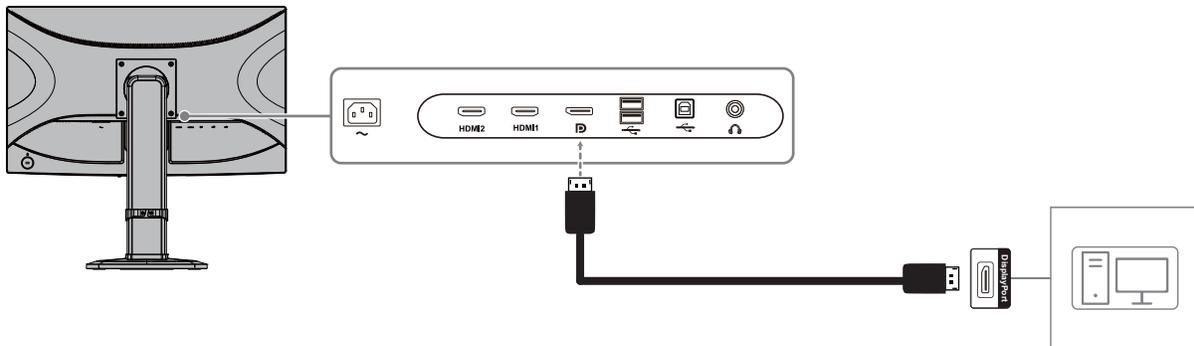
## Making connections

### Connecting a device using the HDMI port



- 1 Plug the included HDMI cable into one of the HDMI jacks on the back of your monitor and into an HDMI jack on a device.
- 2 Turn on the connected device, then press **AUTO**. The video input menu opens.
- 3 Press + or – to highlight **HDMI1** or **HDMI2**, then press **MENU**. If the connected device is on and sending a video signal, the picture appears on your monitor's screen.

### Connecting a device using the Displayport

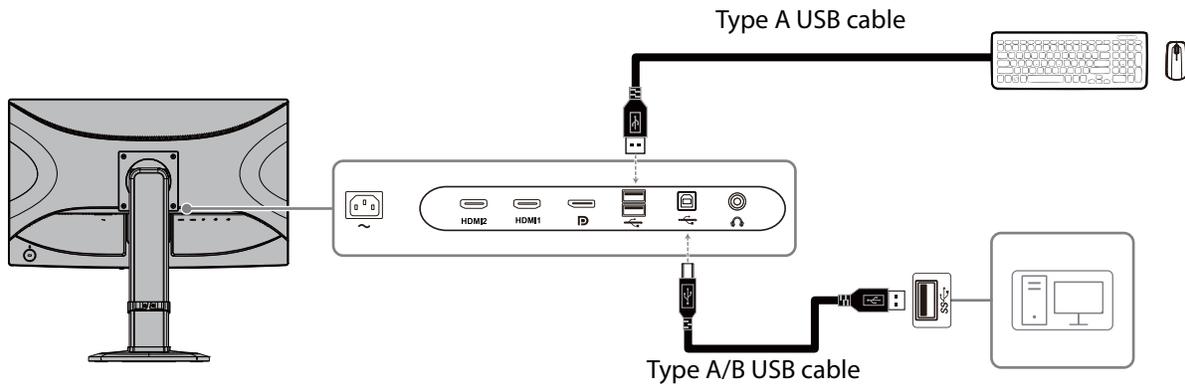


- 1 Plug the included Displayport (DP) cable into the **DP** port on the back of your monitor and into a DP port on a computer.
- 2 Turn on your computer, then press **AUTO**. The video input menu opens.
- 3 Press + or – to highlight **Displayport**, then press **MENU**. If the connected device is on and sending a video signal, the picture appears on your monitor's screen.

## Connecting the USB ports

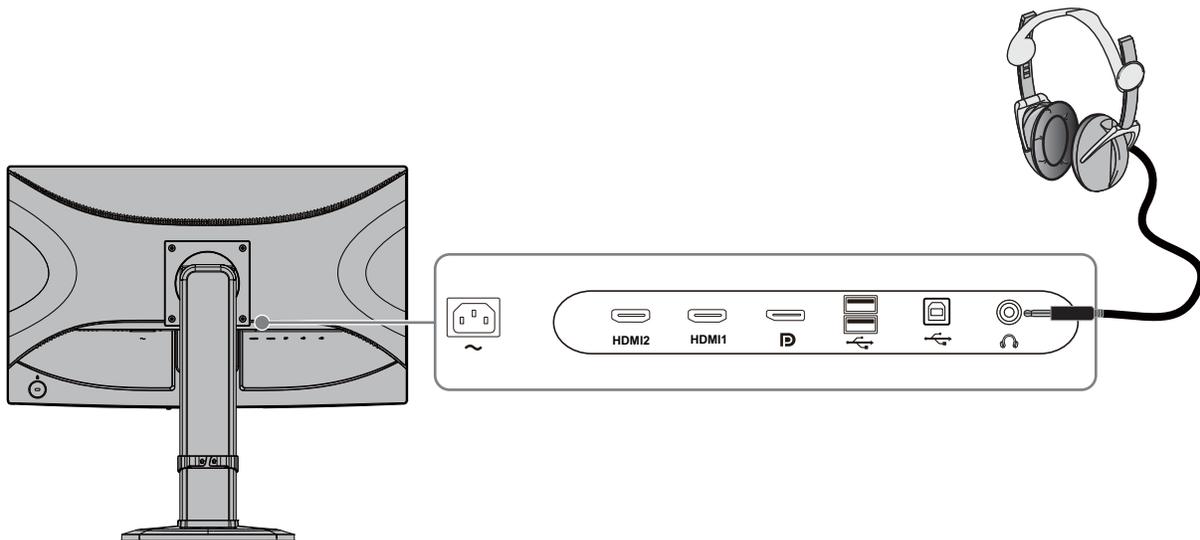
You can connect your computer or a video game console to the USB upstream port using a USB cable with a Type B connector on one end and a Type A connector on the other end.

You can connect USB devices, such as a keyboard and mouse, to the USB downstream ports.



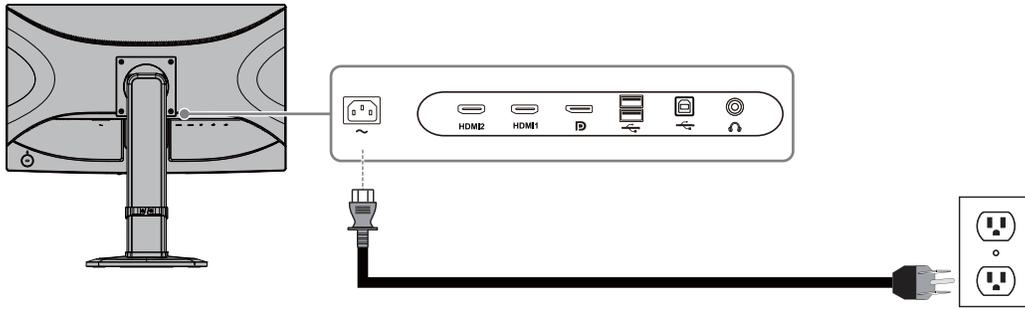
- 1 To connect your computer to the USB upstream port, plug the Type B connector on a USB cable into the USB upstream port on back of your monitor, then connect the Type A cable connector to the downstream port on your computer.
- 2 To connect a USB device, connect it to one of the USB downstream ports on the back of your monitor and a USB port on the device.

## Connecting headphones



- 1 Plug headphones into the headphone jack on the back on your monitor.
- 2 Make sure that sound is turned on for your connected devices.
- 3 If the headphones are not working, make sure that your monitor is selected as the default audio device on the computer. See the documentation that came with the computer or the operating system.

## Connecting the power cable



- Plug the power cord into the power connector on the back of your monitor and into a three-prong power outlet.

### Caution

- Your monitor should only be operated from the power source indicated on the label.
- Always unplug the power cord from the power outlet when you will not be using your monitor for an extended period of time.

## Using your monitor

### Turning your monitor on and off

- 1 Press  (power). Your monitor turns on and the power indicator lights blue.
- 2 Press  (power) again. Your monitor turns off and the power indicator turns off.

#### Note

If your monitor does not receive a video signal within seven seconds, your monitor goes into standby mode. In standby mode, the screen turns off to save power and the power indicator lights orange.

To "wake" your monitor, press any key on the connected computer keyboard or move the mouse or move a control on the connected game controller.

### Adjusting the viewing angle

You can:

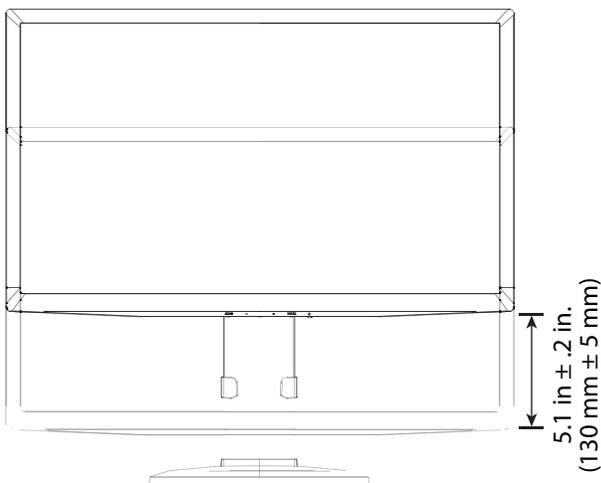
- Raise or lower the screen
- Tilt the screen forward or backward
- Rotate the screen left or right.

#### Note

When adjusting the viewing angle:

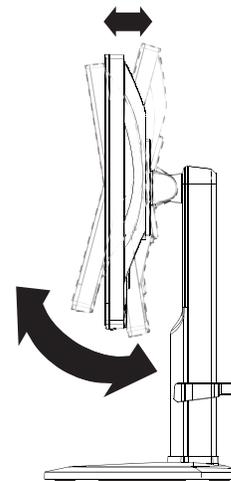
- Look at the full face of the screen.
- Hold the stand base to avoid tipping over your monitor.
- Do not touch the screen while making adjustments. You may damage or break the screen.
- Make sure that you do not pinch your fingers.

### Raise or lower

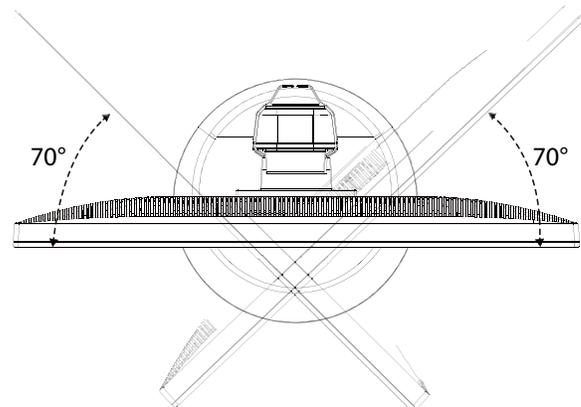


### Tilt forward or backward

-5° to 23°



### Rotate left or right



## Adjusting the resolution and refresh rate

You can adjust the monitor's resolution and refresh rate to improve the quality of the screen display.

### To set the refresh rate in Windows®:

- 1 Right-click the desktop, then click **Display Settings**.
- 2 Open the **Resolution** list, then select a resolution.
- 3 Click **Display adapter properties**.
- 4 On the **Monitor** tab, open the **Screen refresh rate** list, select a resolution, then click **OK**.

### To set the refresh rate in Windows®7 or Windows® 8, or Windows® 8.1:

- 1 Open the **Control Panel**.
- 2 Click **Adjust Screen Resolution** under *Appearance and Personalization*.
- 3 Open the **Resolution** list, move the slider to select a resolution, then click **Apply**.
- 4 Click the **Advanced settings** link.
- 5 Click the **Monitor** tab, then select a refresh rate.
- 6 Click **Apply** to save the changes, then click **OK** to close the window.

See the documentation that came with the computer or the computer's operating system.

The available resolutions and refresh rates are listed in [Factory preset timing table](#) on page 22.

## Adjusting menu options

You can adjust the monitor's screen to get the best picture display.

- 1 Make sure that your monitor is on, then press **MENU**. The monitor menu is displayed.



- 2 Press + or – to highlight a menu icon, then press **MENU**.
- 3 Press + or – to highlight an option, then press **MENU**.
- 4 Press + or – to adjust the setting, then press **MENU**.
- 5 If the option has sub-options, press + or – to highlight an sub-option, then press **MENU**.
- 6 Press + or – to adjust the setting, then press **MENU**.
- 7 Press **AUTO** to return to the previous option or menu or to close the menu.

## Menus, options, and reset values

Icon	Menu	Option	Sub option	Settings
	Luminance	Contrast		Adjusts the brightness of the light areas of the picture. You can adjust the value from 0 to 100 by pressing + or -. The reset value is 50.
		Brightness		Adjusts the brightness of the dark areas of the picture. You can adjust the value from 0 to 100 by pressing + or -. The reset value is 90.
		Eco Mode (picture mode)		<p><b>Standard</b> Brightness is set to 90. Contrast is set to 50. Brightness and Contrast are adjustable. The reset value is <b>Standard Mode</b>.</p> <p><b>Text</b> Brightness is set to 20. Contrast is set to 50. Brightness and Contrast are grayed and not adjustable. The reset value is <b>Standard Mode</b></p> <p><b>Internet</b> Brightness is set to 40. Contrast is set to 50. Brightness and Contrast are grayed and not adjustable. The reset value is <b>Standard Mode</b>.</p> <p><b>Game</b> Brightness is set to 60. Contrast is set to 50. Brightness and Contrast are grayed and not adjustable. The reset value is <b>Standard Mode</b>.</p> <p><b>Movie</b> Brightness is set to 80. Contrast is set to 50. Brightness and Contrast are grayed and not adjustable. The reset value is <b>Standard Mode</b>.</p> <p><b>Sports</b> Brightness is set to 100. Contrast is set to 50. Brightness and Contrast are grayed and not adjustable. The reset value is <b>Standard Mode</b>.</p>
			DCR (Dynamic Contrast Ratio)	
	Display Settings	Image Ratio		Adjusts how the picture fills the screen (aspect ratio). You can select <b>Wide</b> (16:9) or <b>4:3</b> (full-screen). The reset value is <b>Wide</b> .
		Free Sync		Reduces visual artifacts (screen tearing) that occur when the frame rate and the response time are not in sync. You can select <b>On</b> or <b>Off</b> . The reset value is <b>On</b> . FreeSync™ only works with AMD graphics cards.
		Response Time		Adjusts the response time to reduce smear or blur around fast moving objects. You can select <b>Fast</b> , <b>Normal</b> , or <b>Off</b> . The reset value is <b>Normal</b> .
		DP 1.2		Turns the DP 1.2 (Displayport 1.2) on your monitor on of off. You can select <b>Enable</b> or <b>Disable</b> . The reset value is <b>Enable</b> .

Icon	Menu	Option	Sub option	Settings
	Color Temp.	Warm		<b>Warm</b> enhances the reds. <b>Normal</b> does not enhance colors. <b>Cool</b> enhances the blues. The default value is <b>Warm</b> .
		Normal		
		Cool		
		User	Red	Adjusts the colors in the image. You can adjust each color from 0 to 100 by pressing + or -. The default value for each color is 50. If you reset your monitor, the values you set do not change.
			Green	
	Blue			
	sRGB		Reset the red, green, and blue color values to the default setting of <b>sRGB</b> .	
	OSD Setup	H.Position		Adjusts the horizontal position of the menu on the screen. You can adjust the position in 5-step increments from 0 to 100 by pressing + or -. The reset value is 50.
		V.Position		
		Timeout		Adjusts the vertical position of the menu on the screen. You can adjust the position in 5-step increments from 0 to 100 by pressing + or -. The reset value is 50.
		Language		Adjusts the amount of time the menu stays open before it automatically closes. You can adjust the time in 5-step increments from 5 seconds to 100 seconds by pressing + or -. The reset value is 10 seconds.
	Extra	Input Select		Selects the video input source. You can select <b>AUTO</b> , <b>Displayport</b> , <b>HDMI1</b> , or <b>HDMI2</b> . The reset value is <b>AUTO</b> .
		DDC/CI		Allows your monitor to control the graphics card in your computer. You can select <b>On</b> or <b>Off</b> . Turning on this option makes your monitor Plug & Play. The reset value is <b>On</b> .
		Reset		Resets all menu options to the factory defaults. You can select <b>Yes</b> or <b>No</b> . The reset value is <b>No</b> .
		Information		Shows the vertical and horizontal resolution and all the video timing for the main picture. For example: 1920(H)x1080(V) 45KHz 60Hz

## Locking or unlocking the menu

You can lock your monitor's menu so that options cannot be accidentally changed.

- 1 Make sure that your monitor is turned off.
- 2 Press and hold **MENU**.
- 3 Press  (power) to turn on your monitor.
- 4 To unlock the menu, repeat Steps 1 through 3.

## Maintaining

### Cleaning your monitor cabinet

Clean the cabinet with a soft, lint-free cloth. If the cabinet is especially dirty, moisten a soft, lint-free cloth in a weak detergent solution, squeeze the excess moisture from the cloth, then wipe the cabinet with the cloth. Use a clean cloth to dry the cabinet.

### Cleaning your monitor screen

Clean the screen with a soft, lint-free cloth.

## Troubleshooting

### Warning

Do not try to repair your monitor yourself. Contact authorized service personnel.

### Note

If the problem is not solved by using these troubleshooting instructions, turn off your monitor, then turn it on again.

Symptom	Solution
The power indicator is not on.	<ul style="list-style-type: none"> <li>• Make sure that the power cord is connected to your monitor and to a power outlet. See <a href="#">Connecting the power cable</a> on page 14.</li> <li>• Make sure that your monitor is turned on. See <a href="#">Turning your monitor on and off</a> on page 15.</li> </ul>
The power indicator is orange but there is no picture.	<ul style="list-style-type: none"> <li>• Your monitor may be in standby mode. Press any keyboard key or move the mouse on the connected computer or move a control on the connected game controller.</li> <li>• Make sure that the computer is turned on.</li> <li>• Make sure that the computer is working correctly. Press the <b>Caps Lock</b> key. The Caps Lock indicator on the keyboard should turn on or off.</li> <li>• Make sure that the video cable is correctly connected to your monitor and computer. See <a href="#">Connecting a device using the HDMI port</a> or page 12 or <a href="#">Connecting a device using the Displayport</a> on page 12.</li> <li>• Make sure that no pins on the video cable are bent.</li> <li>• Make sure that the graphics card in the computer is correctly installed.</li> </ul>
The Plug & Play feature is not working.	<ul style="list-style-type: none"> <li>• Make sure that the computer operating system supports Plug &amp; Play.</li> <li>• Make sure that the computer's graphics card supports Plug &amp; Play.</li> <li>• Make sure that no pins on the video cable are bent.</li> </ul>
The picture is fuzzy.	<ul style="list-style-type: none"> <li>• Adjust the <b>Brightness</b> and <b>Contrast</b> options on the <i>Luminance</i> menu. See <a href="#">Adjusting menu options</a> on page 16.</li> </ul>
The picture flickers or intermittently displays a black screen.	<ul style="list-style-type: none"> <li>• Make sure that you set both the resolution and refresh rate on your computer.</li> <li>• Make sure that the video cable or port on the computer is working correctly.</li> <li>• Move nearby electronic devices. They may be interfering with the video signal.</li> <li>• Some graphics cards do not support the <b>DP 1.2</b> monitor setting. On your monitor, open the <i>Display Settings</i> menu, then turn off the <b>DP 1.2</b> option. See <a href="#">Adjusting menu options</a> on page 16.</li> <li>• Your system may be taxing the graphics card. Try adjusting Performance Options. On a Windows®-based system, open the <i>Control Panel</i>, then select <b>System and Security &gt; System &gt; Advanced system settings</b>. On the <b>Advanced</b> tab, select <b>Settings</b>, then adjust <b>Performance Options</b>.</li> <li>• To use the 1920 × 1080 @ 144Hz resolution and refresh rate, make sure that your computer is connected to the Displayport (DP) on your monitor.</li> <li>• The 1920 × 1080 @ 144Hz resolution refresh rate is only supported by AMD or NVIDIA dedicated graphics cards. Intel HD integrated graphics does not support the 144 Hz refresh rate.</li> </ul>

Symptom	Solution
The picture bounces or has wave patterns.	<ul style="list-style-type: none"> <li>Move electrical devices that may cause electrical interference away from your monitor.</li> </ul>
One of the primary colors (red, green, or blue) are missing.	<ul style="list-style-type: none"> <li>Make sure that no pins on the video cable are bent.</li> </ul>
Colors do not look right (white does not look white).	<ul style="list-style-type: none"> <li>Select a color temperature setting on the <i>Color Temperature</i> menu. See <a href="#">Adjusting menu options</a> on page 16.</li> <li>Select the <b>sRGB</b> option on the <i>Color Temperature</i> menu to automatically adjust the color. See <a href="#">Adjusting menu options</a> on page 16.</li> </ul>
The brightness or contrast are poor.	<ul style="list-style-type: none"> <li>Adjust the <b>Brightness</b> or <b>Contrast</b> options on the <i>Luminance</i> menu. See <a href="#">Adjusting menu options</a> on page 16.</li> <li>If adjusting the <b>Brightness</b> or <b>Contrast</b> option does not solve the problem, contact Insignia Support or take your monitor to an authorized service repair center.</li> </ul>
The connected headphones are not working.	<ul style="list-style-type: none"> <li>Make sure that sound is turned on the connected device.</li> <li>Make sure that your monitor is selected as the default audio device on the computer. See the documentation that came with the computer.</li> </ul>

## Error messages

Symptom	Solution
NO SIGNAL	<p>Your monitor is not receiving a video signal.</p> <ul style="list-style-type: none"> <li>Make sure that you have selected the correct video input.</li> <li>Make sure that the video cable is connected correctly and securely.</li> <li>Make sure that no pins on the video cable are bent.</li> </ul>
INPUT NOT SUPPORT	<p>The computer has been set to an unsuitable display mode. Make sure that the display mode is set to the correct display mode.</p>

## Specifications

Specifications are subject to change without notice.

<b>LCD panel</b>	Panel	LCD
	Panel backlight	LED
	Diagonal size	24 in. (61 cm)
	Maximum size H × V	20.9 × 11.8 in. (53.2 cm × 30 cm)
	Pixel pitch	.27675 mm × .27675 mm
<b>Input</b>	Video	R, G, B analog interface
		Digital
		HDMI 1.4 x 2, DP 1.2 x 1
	Separate Sync.	H/V
	H-Frequency	24kHz – 180kHz
	V-Frequency	40Hz – 124Hz
<b>Display colors</b>	16.7M colors	
<b>Dot clock</b>	340MHz	
<b>Max. Resolution</b>	1920 × 1080 @ 120Hz	
<b>Plug &amp; Play</b>	Plug & Play	
<b>Power Consumption</b>	On	≤ 58W
	Standby	≤ 0.5W
	Off	≤ 0.5W

<b>Input connector</b>	DP 20 pin
	HDMI 19 pin
<b>Video input signal</b>	DP
	HDMI
<b>Power source</b>	100~240VAC, 50/60Hz
<b>Environmental Considerations</b>	Operating Temp: 32° to 95°F (0° to 35°C) Operating Humidity: 10% to 80% Operating Height: 0 to 12,000 ft. (0 to 3,658 m) Storage Temp.: -4° to 140°F (-20°C to 60°C) Storage Humidity: 5% to 90% Storage Height: 0 to 40,000 ft. (0 to 12,192 m)
<b>OSD languages</b>	English, French, Spanish
<b>VESA mount (H × V)</b>	100 × 100 mm
<b>VESA mount screws</b>	M4

### Note

The length of the wall-mount screws vary depending on the wall-mount bracket you purchased. See the instructions that came with the wall-mount bracket for screw lengths.

**Factory preset timing table****Note**

Select both the resolution and refresh rate on your computer. See the documentation that came with your computer's operating system.

<b>Mode</b>	<b>Resolution</b>	<b>H. Frequency ± 0.5kHz</b>	<b>V. Frequency ± 1Hz</b>
VGA	640 × 480 @ 60Hz	31.469	59.94
	640 × 480 @ 72Hz	35.748	71.927
	640 × 480 @ 75Hz	37.5	75
SVGA	800 × 600 @ 56Hz	35.156	56.25
	800 × 600 @ 60Hz	37.879	60.317
	800 × 600 @ 72Hz	48.077	72.188
	800 × 600 @ 75Hz	46.875	75
XGA	1024 × 768 @ 60Hz	48.363	60.004
	1024 × 768 @ 70Hz	56.476	70.069
	1024 × 768 @ 75Hz	60.023	75.029
WXGA+	1440 × 900 @ 60Hz	55.935	55.887
UXGA	1600 × 1200 @ 60Hz	75	60
WSXGA+	1680 × 1050 @ 60Hz	65.29	59.95
Full HD	1920 × 1080 @ 60Hz	66.587	59.934
	1920 × 1080 @ 60Hz	67.5	60
	1920 × 1080 @ 100Hz	113.187	99.9
	1920 × 1080 @ 120Hz	137.143	119.88
	1920 × 1080 @ 144Hz	166.442	143.856

## Legal notices

### FCC Statement

**Note:** 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 the 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

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### Cables

Connections to this device must be made with shielded cables with metallic RF/EMI connector hoods to maintain compliance with FCC Rules and Regulations.

### HDMI®



The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

### Windows®

Windows® is a registered trademark of Microsoft Corporation in the United States and other countries.

## ONE-YEAR LIMITED WARRANTY

### Definitions:

The Distributor\* of Insignia branded products warrants to you, the original purchaser of this new Insignia-branded product ("Product"), that the Product shall be free of defects in the original manufacturer of the material or workmanship for a period of one (1) year from the date of your purchase of the Product ("Warranty Period").

For this warranty to apply, your Product must be purchased in the United States or Canada from a Best Buy branded retail store or online at [www.bestbuy.com](http://www.bestbuy.com) or [www.bestbuy.ca](http://www.bestbuy.ca) and is packaged with this warranty statement.

### How long does the coverage last?

The Warranty Period lasts for 1 year (365 days) from the date you purchased the Product. Your purchase date is printed on the receipt you received with the Product.

### What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Insignia repair center or store personnel, Insignia will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Insignia and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Insignia Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

### How to obtain warranty service?

If you purchased the Product at a Best Buy retail store location or from a Best Buy online website ([www.bestbuy.com](http://www.bestbuy.com) or [www.bestbuy.ca](http://www.bestbuy.ca)), please take your original receipt and the Product to any Best Buy store. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain warranty service, in the United States call 1-888-BESTBUY or in Canada call 1-866-BESTBUY. Call agents may diagnose and correct the issue over the phone.

### Where is the warranty valid?

This warranty is valid only in the United States and Canada at Best Buy branded retail stores or websites to the original purchaser of the product in the county where the original purchase was made.

### What does the warranty not cover?

This warranty does not cover:

- Customer instruction/education
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to weather, lightning, and other acts of God, such as power surges
- Accidental damage
- Misuse
- Abuse
- Negligence
- Commercial purposes/use, including but not limited to use in a place of business or in communal areas of a multiple dwelling condominium or apartment complex, or otherwise used in a place of other than a private home.
- Modification of any part of the Product, including the antenna
- Display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).
- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage or power supply
- Attempted repair by any person not authorized by Insignia to service the Product
- Products sold "as is" or "with all faults"
- Consumables, including but not limited to batteries (i.e. AA, AAA, C etc.)

- Products where the factory applied serial number has been altered or removed
- Loss or Theft of this product or any part of the product
- Display panels containing up to three (3) pixel failures (dots that are dark or incorrectly illuminated) grouped in an area smaller than one tenth (1/10) of the display size or up to five (5) pixel failures throughout the display. (Pixel based displays may contain a limited number of pixels that may not function normally.)
- Failures or Damage caused by any contact including but not limited to liquids, gels or pastes.

REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY FOR BREACH OF WARRANTY. INSIGNIA SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. INSIGNIA PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

#### Contact Insignia:

1-877-467-4289

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