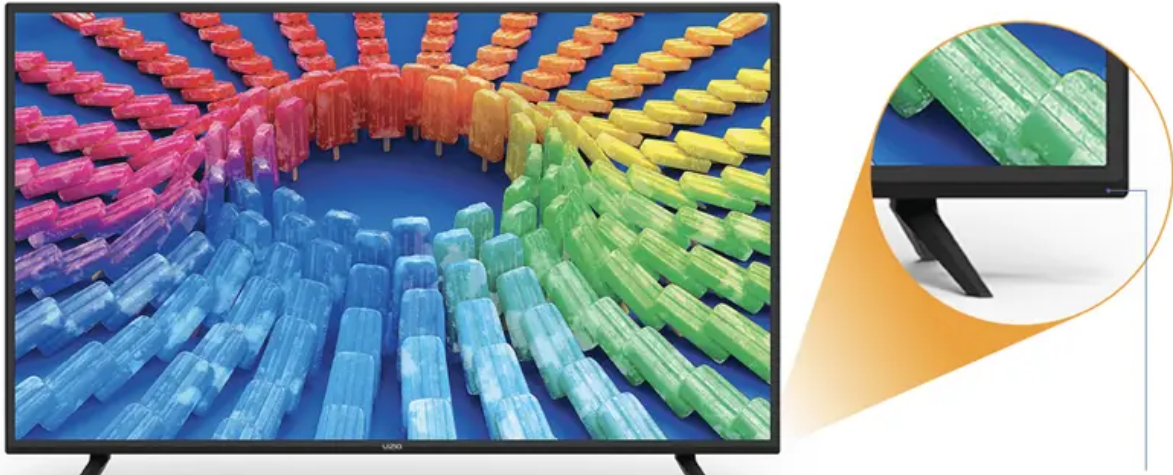


## Getting to Know Your TV

### FRONT PANEL



#### Remote Sensor and Power Indicator

When using the remote, aim it directly at this sensor. The power indicator flashes on when the TV turns on, then goes out after several seconds. To keep the power indicator on, see Turning the Power Indicator On or Off on page 23.

### REAR PANEL



**Note:** The image shown here is for illustrative purposes only and may be subject to change. The actual number of ports and their locations may vary, depending on the model.

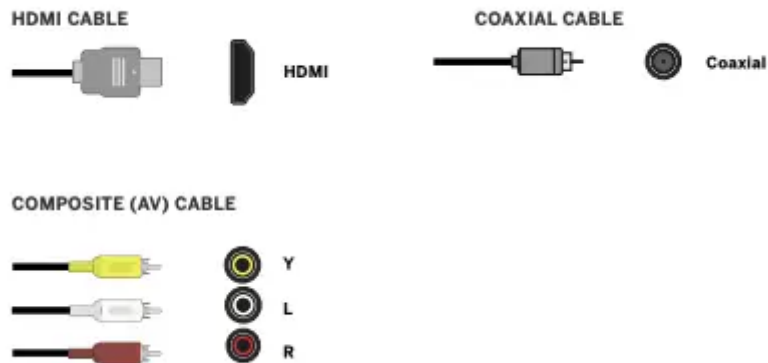


### Connecting a device — AUDIO & VIDEO CABLE TYPES



Your TV can be used to display output from most devices.

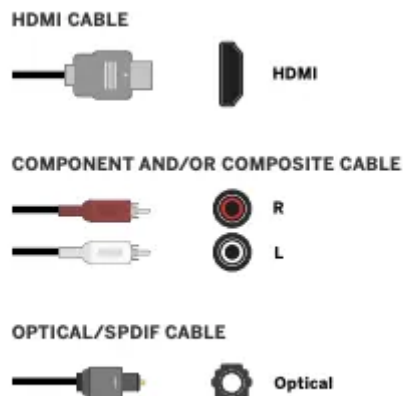
- 1. Verify that your device has a video port that matches an available port on the TV (HDMI, Composite, etc.).
- 2. Connect the appropriate cable (not included) to the TV and the device.
- 3. Turn the TV and your device on.
- 4. Set the TV's input to match the connection you used (HDMI-1, HDMI-2, etc.)



### Connecting a device — AUDIO CABLE TYPES

Your TV can be output sound to an audio device, such as a receiver or sound bar.

- 1. Verify that your device has an audio port that matches an available port on the TV (optical, RCA, etc).
- 2. Connect the appropriate cable (not included) to the TV and the device.
- 3. Turn the TV and your device on.



**Note:** The actual ports and their locations may vary, depending on the TV model.

### WALL-MOUNTING THE TV

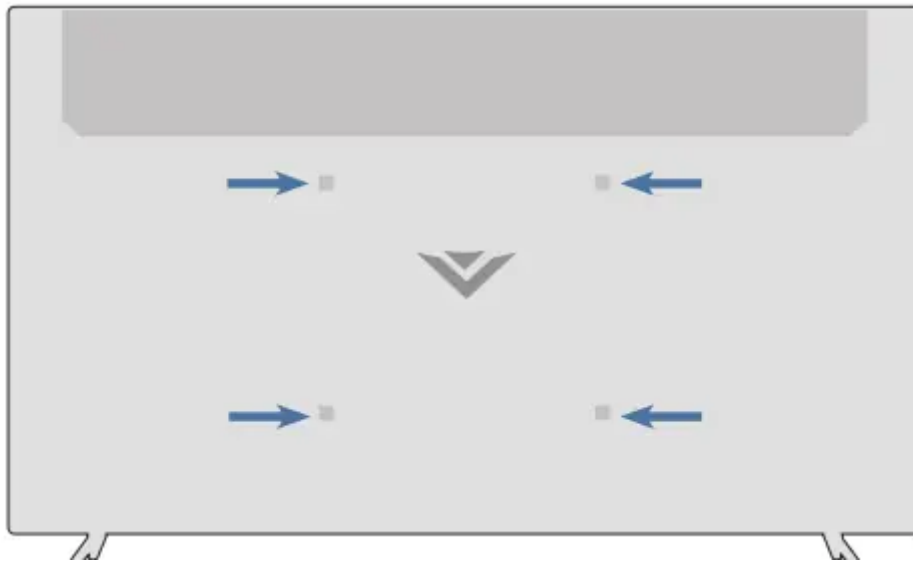
First you will need a wall mount. Consult the provided table below to find the appropriate mount for your TV. Be sure the mount you choose is capable of supporting the weight of the TV.

**To install your TV on a wall:**

- 1. Disconnect any cables connected to your TV.
- 2. Place the TV face-down on a clean, flat, stable surface. Be sure the surface is clear of debris that can scratch or damage the TV.
- 3. If attached, remove the stands by loosening and removing the screws.
- 4. Attach your TV and wall mount to the wall by carefully following the instructions that came with your mount. Use only with a UL-listed wall mount bracket rated for the weight/load of your TV.

**TIP:** Installing a TV on a wall requires lifting. To prevent injury or damage to the TV, ask someone to help you.

**WARNING:** Do not use the screws that are included inside the wall mount holes to mount TV.

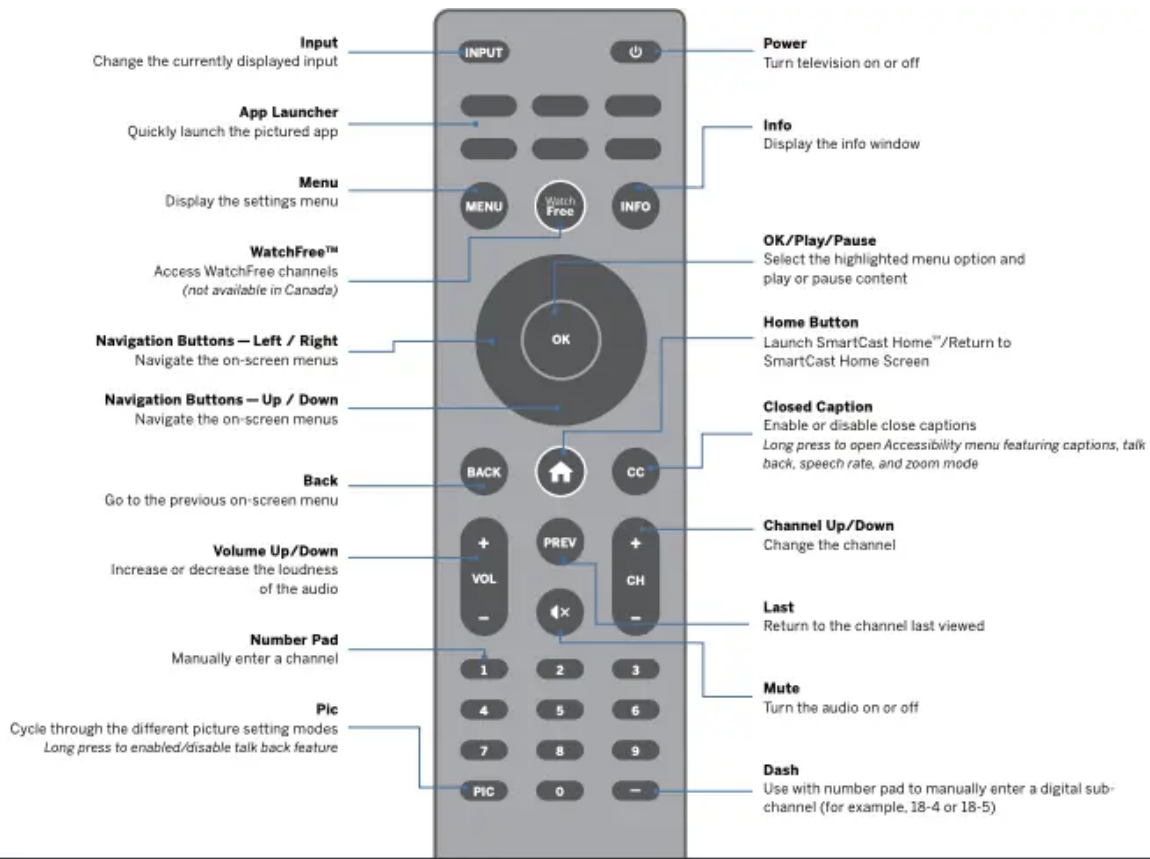


**Note:** The image shown here is for illustrative purposes only and may be subject to change. The actual number of ports and their locations may vary, depending on the model.

	V425-H9	V405-H9P	V305-H9	V305-H9B	V605-H3	V605-H4	V605-H9	V615-H9S	V705-H3	V705-H3L3
<b>Screw Size:</b>	M6	M6	M6	M6	M6	M6	M6	M6	M6	M6
<b>Hole Depth:</b>	10 mm	10 mm	9 mm	9 mm	14 mm	10 mm	9 mm	9 mm	14 mm	14 mm
<b>Hole Pattern:</b>	200 x 200 mm	200 x 200 mm	200 x 200 mm	200 x 200 mm	400 x 200 mm	400 x 200 mm	400 x 200 mm	400 x 200 mm	400 x 200 mm	400 x 200 mm
<b>Weight w/o Stand:</b>	14.97 lb (6.79 kg)	14.97 lb (6.79 kg)	21.54 lb (9.77 kg)	21.54 lb (9.77 kg)	37.50 lb (17.0 kg)	42.58 lb (19.32 kg)	44.97 lb (20.40 kg)	44.97 lb (20.40 kg)	52.69 lb (23.90 kg)	52.69 lb (23.90 kg)

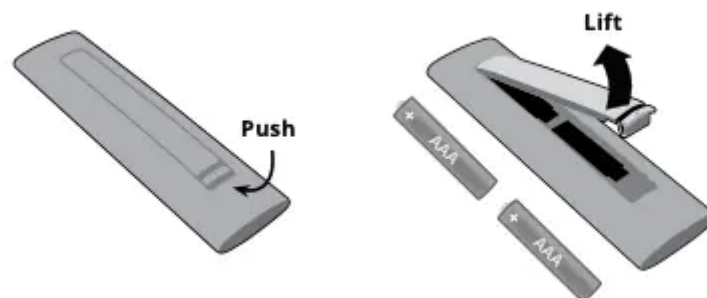


## USING THE REMOTE



## Replacing the Batteries

1. Push the bottom of the battery compartment and lift battery cover to open.
2. Insert two batteries into the remote control. Make sure that the (+) and (-) symbols on the batteries match the (+) and (-) symbols inside the battery compartment.
3. Replace the battery cover and click to close.



**WARNING:** Keep the remote control batteries away from children. It may cause choking and/or lead to a fire or chemical burn if mishandled. Do not dispose of batteries in fire. Replace only with batteries of the correct type.

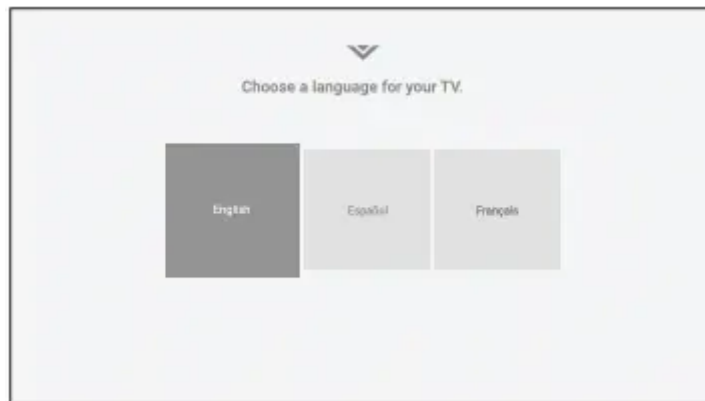
**TIP:** When needed, VIZIO recommends replacing the batteries that came with this remote with two, new Duracell 'AAA' alkaline batteries.

## Completing the First-Time Setup

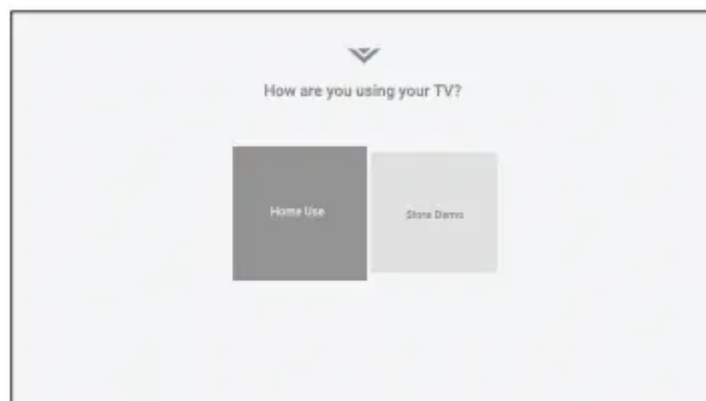
### Before you begin the first-time setup:

- Your TV should be installed and the power cord should be connected to an electrical outlet.
- If you have a wireless network, have the network password ready.
- If you are connecting to your network with an Ethernet cable, connect it to the Ethernet port on the TV.

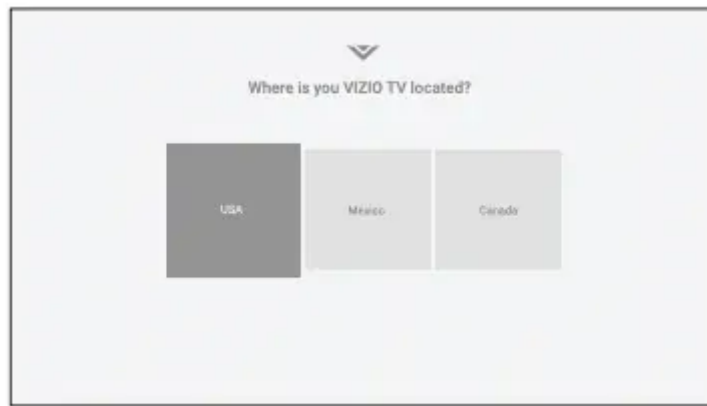
The first time you turn on the TV, the on-screen instructions will guide you through each of the steps necessary to get your TV ready for use:



1. Choose your language. Pressing the CC button will enable TTS (text-to-speech) functionality.



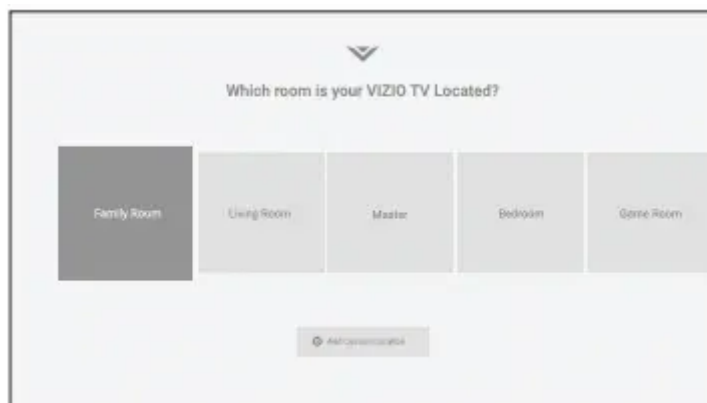
2. Choose home use.



3. Choose your country



4. Choose your Wi-Fi network and enter the password.

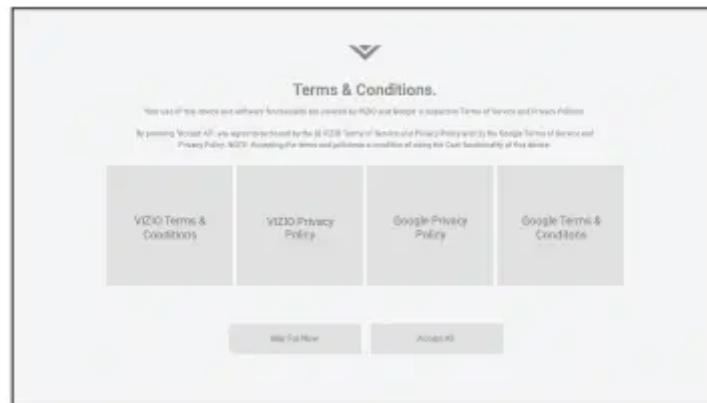


5. Name your TV.





6. Scan for channels.



7. Accept the Terms & Conditions.



8. View and accept VIZIO Viewing Data Policy.

**Your TV features an easy-to-use on-screen menu .**

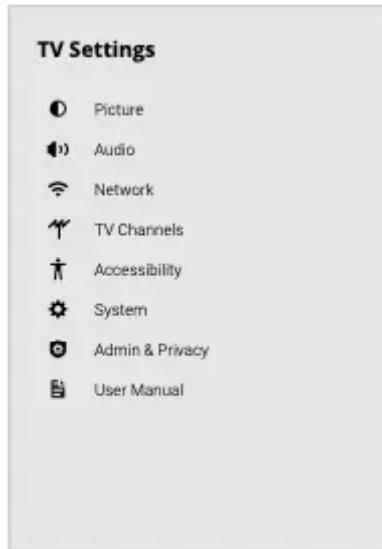
To open the on-screen menu, press the MENU button on the remote.

From this menu, you can:

- Adjust the picture settings
- Adjust the audio settings
- Adjust the network settings



- Adjust the TV channel settings
- Adjust accessibility settings
- Adjust TV system settings
- Access admin and privacy settings
- View the user manual



## NAVIGATING THE ON-SCREEN MENU

To open the on-screen menu:

- 1. Press the MENU button on the remote.
- 2. Use the Navigation buttons to highlight a menu option, and press the OK button to select that option.

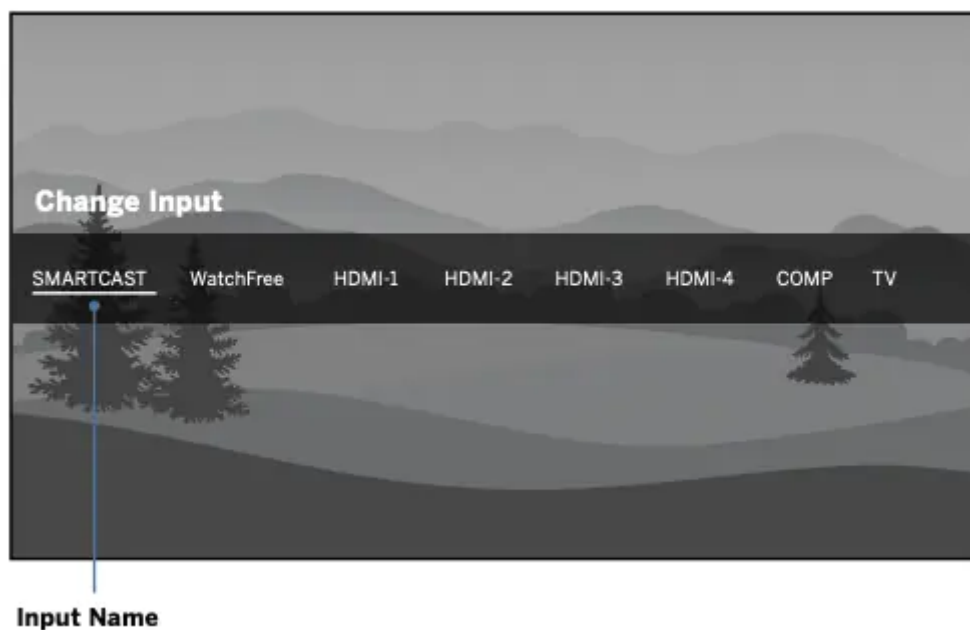
**TIP:** While navigating the on-screen menu, you can press the BACK button at any time to return to the previous menu screen.

## CHANGING THE INPUT SOURCE

External devices, such as DVD players, Blu-ray players, and video game consoles, can be connected to your TV. To use one of these devices with your TV, you must first change the input source using the input menu.

**To change the input sources:**

- 1. Press the INPUT button on the remote. The input menu is displayed.
- 2. Use the Navigation buttons or the INPUT button on the remote to highlight the input you wish to view. The corresponding inputs are named on the back of your TV.
- 3. Press OK or release the INPUT button. The selected input is displayed.



The underlined input on the left is the current input selected. Inputs may vary by TV.

**TIP:** You can change the input names that appear on the Input menu to make your devices easy to recognize. See Renaming Devices on the Input Menu on page 22.

## ADJUSTING THE PICTURE SETTINGS

Your TV can be adjusted to suit your preferences and viewing conditions.

**To adjust the picture mode settings:**

Menu > Picture > Picture Mode

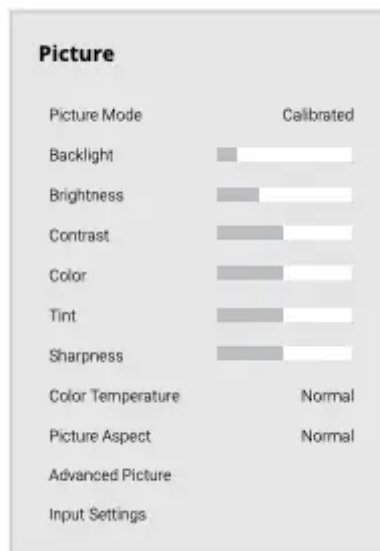
1. Use the Navigation buttons on the remote to highlight Picture Mode, then use the Left/Right Navigation buttons to change the picture mode:

- Vivid — Sets the picture settings to values that produce a brighter, more vivid picture.
- Bright — Sets the picture settings to values ideal for watching TV in a brightly-lit room.
- Calibrated — Sets the picture settings to the default settings.
- Calibrated Dark — Sets the picture settings to values ideal for watching TV in a dark room.
- Game — Reduces throughput delays and optimizes the picture settings for displaying game console output. Also the preferred picture mode for computer mode.
- Sports — Sets the picture settings to values ideal for watching sport events with motion control setting.

**TIP:** If you save changes to the setting for a picture mode, an asterick will appear after its name. See Saving a Custom Picture Mode on page 12.

2. To manually change each of the picture settings, use the Up/Down Navigation buttons on the remote to highlight that picture setting, then use the Left/Right Navigation buttons to adjust the setting:

- Backlight (SDR content) or Tone Mapping (HDR content) — Adjusts the LED brightness to affect the overall brilliance of the picture.
- Brightness — Adjusts the black level of the picture. When this setting is too low, the picture may be too dark to distinguish details. When this setting is too high, the picture may appear faded or washed out.
- Contrast — Adjusts the white level of the picture. When this setting is too low, the picture may appear dark. When this setting is too high, the picture may appear faded or washed out. If the setting is too high or too low, detail may be difficult to distinguish in dark or bright areas of the picture.
- Color — Adjusts the intensity of the picture colors.
- Tint — Adjusts the hue of the picture. This setting is useful in adjusting the flesh tones in the picture. If flesh appears too orange, reduce the level of color before adjusting tint.
- Sharpness — Adjusts the edge sharpness of picture elements. It can be used to sharpen non-HD (high definition) content; however, it will not produce detail that does not otherwise exist



## Adjusting the Color Temperature

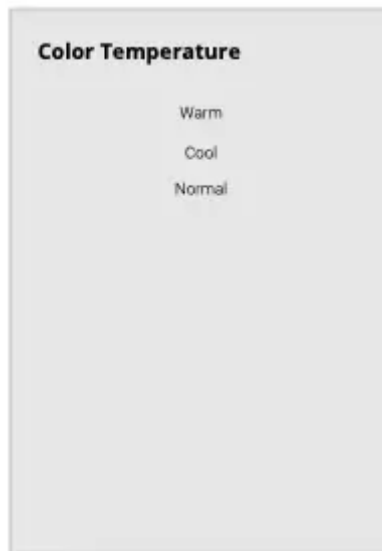
Adjusting the color temperature changes the white balance of the picture.

**To adjust the color temperature:**

Menu > Picture > Color Temperature

Use the Navigation buttons on the remote to highlight a color temperature preset and then press OK.

- Warm — Produces an orange-hued picture.
- Cool — Produces a blue-hued picture.
- Normal — Optimized for television viewing.



## Changing the Picture Aspect Ratio

To change the screen aspect ratio:

Menu > Picture > Picture Aspect

Use the Navigation buttons to highlight the aspect ratio you wish to view.

Your TV can display images in different modes: Normal, Panoramic, Wide, Zoom, and Stretch.

- Normal (default) — No change to aspect ratio.
- Panoramic\* Stretches a 4:3 image to fill 16:9 screen with an algorithm so the center doesn't look stretched.
- Wide — Stretches a 4:3 aspect ratio to fill 16:9 screen. If a 16:9 image, adds black bars to top and bottom.
- Zoom — Expands image both horizontally and vertically by 14%.
- Stretch\* When the 16:9 signal is a 4:3 image with black bars left and right, stretches to fill the screen.

Some programs have black bars on the top or sides of the screen so that the picture keeps its original shape. Examples include widescreen movies and older TV programs.



**TIP:** The aspect ratio cannot be changed for Ultra HD content or HDR content.

## Adjusting Advanced Picture Settings

### To adjust advanced picture settings:

Menu > Picture > Advanced Picture

Use the Navigation buttons to highlight the setting you wish to adjust, then press the Left/Right Navigation buttons to change the setting:

- Black Detail — Adjusts the average brightness of the picture to compensate for large areas of brightness.
- Super Resolution — Configures the resolution to enhance dim and blurred pictures resulting in a sharper image.
- Edge Enhancement — Increases the smoothness of edges.
- Local Contrast — Adjust the contrast of the picture locally.
- Backlight Control — Dynamically improves the contrast ratio of the picture by adjusting the backlight.

<b>Advanced Picture</b>	
Black Detail	Off
Super Resolution	Medium
Edge Enhancement	Low
Local Contrast	Low
Backlight Control	On
Reduce Noise	
Game Low Latency	Auto
Film Mode	On
Gamma	2.1 - Normal
Color Calibration	

### Reduce Noise:

– Signal Noise: Reduces background picture noise when viewing analog sources. This function helps to correct "speckle" noise with a slight reduction in sharpness.

– Block Noise: Reduces the side effects of digital compression such as blocking" and noise on sharp edges. The High setting will cause a slight reduction in sharpness.

– Contour Smoothing: Removes visible contour noise without loss of the complex detail.

- Game Low Latency — Reduces video delay (lag) when gaming. When set to Auto and Automatic Low Latency Mode (ALLM) is detected, ALLM will apply for the duration of the game.
- Film Mode — Optimizes the picture for watching films. Select On or Off.
- Gamma — Set the shape of the Gamma curve. Use lower Gamma values for bright room conditions, and higher values when it's dark.
- Color Calibration — Calibrate colors using HSB, gain, offset and 20 point white balance and test or reset colors to defaults.

### Adjusting the Color Tuner Settings

The Color Tuner settings allow you to adjust the color management system, 20 point white balance, turn color channels off for testing, and display SMPTE, flat, ramp, and uniformity analyzer test patterns.

#### To access the color tuner table:

Menu > Picture > Advanced Picture > Color Calibration > Color Tuner

**WARNING:** The Color Tuner, 20 Point White Balance, and test patterns allow technicians to manually calibrate the TV. Calibration requires specialized training, an input with precisely set colors, and a specialized light meter.

### To turn color channels off and on:

- 1. Use the Navigation buttons on the remote to highlight Red, Green, or Blue.
- 2. Press the OK button to turn the color channel off or on. An X appears over a color channel that has been turned off.
- 3. Only two color channels can be turned off at the same time.

**TIP:** Any changes made affect the color temperature setting. Select the preferred color temperature setting first. See Adjusting the Color Temperature on page 8.

### To adjust the color management system/20 point white balance settings:

- 1. Use the Navigation buttons on the remote to highlight the Hue, Saturation, Brightness, Offset, or Gain of the color you wish to adjust. Press the OK button.
- 2. Use the Left/Right Navigation buttons to adjust the value. When you are finished press the OK button to save the setting.



	Red	Green	Blue	Cyan	Magenta	Yellow
Hue	0	0	0	0	25	-14
Saturation	-1	5	-4	0	-2	0
Brightness	-24	0	-22	0	0	0
Offset	0	0	0			
Gain	0	0	0			

### To adjust the 20 Point White Balance settings:

- 3. From the Color Tuner table, use the Navigation buttons to highlight the top bar and then press the Left/Right Navigation buttons until the 20 POINT WHITE BALANCE menu is displayed.

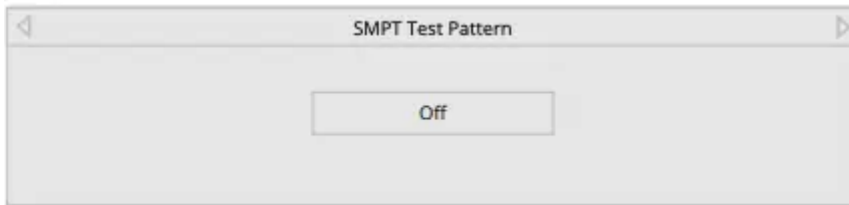


Gain	Red	Green	Blue
5%	0	0	0

- 4. Use the Navigation buttons on the remote to highlight the Gain and Color values you wish to adjust. Press the OK button and use the Left/Right Navigation buttons to adjust the value. When you are finished, press the OK button to save the setting.

### To show or hide the SMPTE Test Pattern:

Menu > Picture > Advanced Picture > Color Calibration > Color Tuner > SMPTE Test Pattern



1. Use the Navigation buttons on the remote to highlight Off. Use the Left/Right Navigation buttons to select On to show the SMPTE Pattern.

—or—

2. To hide the SMPTE Test Pattern, use the Left/Right Navigation buttons to select Off.

**To show or hide the Flat Test Pattern:**

Menu > Picture > Advanced Picture > Color Calibration > Color Tuner > Flat Test Pattern



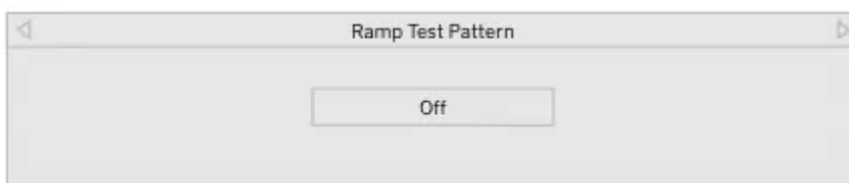
1. Use the Navigation buttons on the remote to highlight Off. Use the Left/Right Navigation buttons to select the percentage brightness for the flat test pattern. Selecting a percentage immediately shows the flat pattern at that brightness.

—or—

2. To disable the Flat Test Pattern, use the Left/Right Navigation buttons to select Off.

**To show or hide the Ramp Test Pattern:**

Menu > Picture > Advanced Picture > Color Calibration > Color Tuner > Ramp Test Pattern



1. Use the Navigation buttons on the remote to highlight Off. Use the Left/Right Navigation buttons to select the color for the ramp test pattern. Selecting a color immediately shows that color ramp.

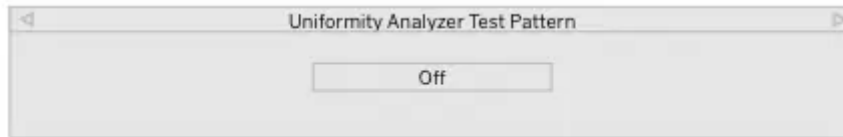
—or—

2. To hide the Ramp Test Pattern, use the Left/Right Navigation buttons to select Off.

**To show or hide the Uniformity Analyzer Test Pattern:**

Menu > Picture > Advanced Picture > Color Calibration > Color Tuner > Uniformity Analyzer Test Pattern





1. Use the Navigation buttons on the remote to highlight Off. Use the Left/Right Navigation buttons to select On to show the Uniformity Analyzer Test Pattern.

—or—

2. To hide the Uniformity Analyzer Test Pattern, use the Left/Right Navigation buttons to select Off.

## Adjusting Picture Input Settings

Enable HDMI Mode, Full Color 4:4:4, Filmmaker Mode and adjust picture size and position.

### To adjust the Input settings:

Menu > Picture > Input Settings

Use the Navigation buttons to highlight the setting you wish to adjust.

- Picture Size and Position\* configure the display size and position of the picture to the screen.
- HDMI Mode\* Expanded color display. Only available for an HDMI input.
- Full Color 4:4:4\* Maintains full color data with 4:4:4 content. Some picture settings will not be available when this setting is On. Only available for an HDMI input.
- Filmmaker Mode — Adjusts picture settings to provide a viewing experience of a movie as the director intended.
- Color Space Range — Select Color Space for the source. Video sources uses YCbCr, but PC uses RGB.

## Adjusting the Picture Mode Edit Settings

Manage custom picture modes and reset preset picture modes.

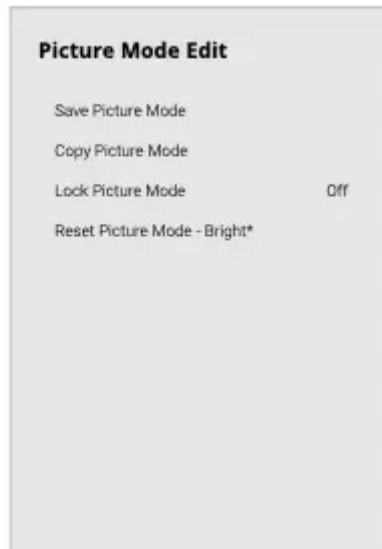
### To adjust the Picture Mode Edit settings:

Menu > Picture > Picture Mode Edit

Use the Navigation buttons to highlight the setting you wish to adjust, then press OK to change the setting:

- Save Picture Mode — Save a custom picture mode.
- Copy Picture Mode — Copy the settings for a custom picture mode.
- Lock Picture Mode — Prevent changes to custom picture modes.

- Reset Picture Mode — Reset the picture mode settings to factory default values. Only available on customized preset modes.
- Delete Picture Mode — Delete a custom picture mode. Inputs assigned to the custom picture mode will use the Calibrated picture mode.



## Saving a Custom Picture Mode

Custom picture modes allow you to save a group of custom settings for various viewing conditions and video sources.

### To save a custom picture mode:

Menu > Picture > Picture Mode Edit > Save Picture Mode > Enter a Name > Save

Custom picture modes allow you to save a group of custom settings for various viewing conditions and video sources.

- Changes made while on any preset picture mode will add an asterisk on the top right corner of the preset mode.
- The custom picture mode is not automatically saved.



## Copy a Picture Mode

Custom picture mode settings can be copied to be applied to other inputs.

1. Complete the desired changes for the selected picture mode.
  - Select Save Picture Mode to save picture mode for all inputs.
2. Select the input you want to copy your saved picture mode edits to.
3. Change the picture mode to your custom saved mode: Menu > Picture > Picture Mode > select saved custom picture mode
4. Copy your custom picture mode: Menu > Picture > Picture Mode Edit > Copy Picture Mode
5. Select what picture mode you would like to copy over.
6. A notification displays after the copy to your selected picture mode is completed. Now this picture mode will have your custom settings saved over it for the selected input.
7. Repeat as needed to customize additional inputs.

## Lock a Picture Mode

Custom picture modes can be locked/unlocked with a unique PIN to prevent accidental changes to their settings. If not previously set, you can set up your system PIN code here.

### To lock all custom picture modes:

Menu > Picture > Picture Mode Edit > Lock Picture Mode > On > Enter Your PIN > Save

### To unlock all custom picture modes:

Menu > Picture > Picture Mode Edit > Lock Picture Mode > Off > Enter Your PIN



**TIP:** To set a custom PIN code, see Setting a System PIN Code on page 24.

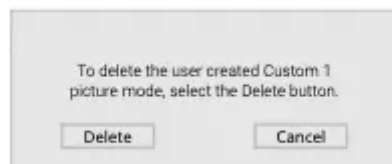
## Deleting a Picture Mode

Custom picture modes that are no longer needed can be deleted

**TIP:** Inputs assigned to deleted custom picture modes become assigned to the Calibration picture mode.

### To delete a custom picture mode:

Menu > Picture > Picture Mode Edit > Delete Picture Mode > Delete



## Resetting a Picture Mode

A preset picture mode that has been edited can be restored to the factory default settings.

### To reset a customized preset picture mode:

Menu > Picture > Picture Mode Edit > Reset Picture Mode > Reset

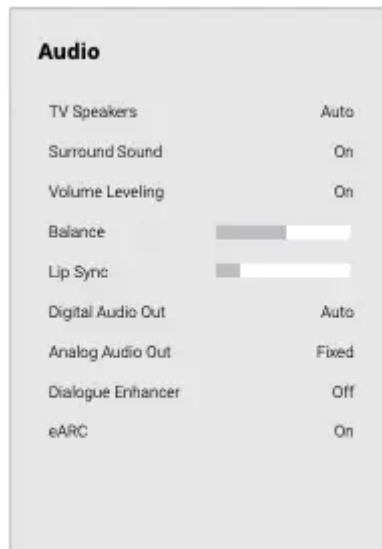
## ADJUSTING THE AUDIO SETTINGS

### To adjust the audio settings:

Menu > Audio

Use the Navigation buttons to highlight the setting you wish to adjust, then press Left/Right Navigation buttons to change the setting:

- TV Speakers — Built-in speakers automatically turn off if a sound bar is discovered. Turn the built-in speakers On or Off.
  - Surround Sound — When set to On, enables surround sound suitable for sports and TV shows. Virtual:X™ adds virtualized height best for movies.
  - Volume Leveling — When set On, DTS TruVolume™ audio solution levels the speaker volume.
  - Balance — Balance the audio loudness between the left and right speakers.
  - Lip Sync — Synchronize the display image with the audio track.
  - Digital Audio Out — Select the digital audio output format for both the optical and HDMI ARC audio devices.
- To hear talk back when Talk Back function is enabled, digital audio out must be set to PCM.



**TIP:** You must select Digital for audio with more than two channels (e.g., 3.0, 5.0, or 5.1).

- Analog Audio Out — Select Variable if you are controlling the volume with the remote. Select Fixed if an external audio device (sound bar or AV receiver) will control the volume.
- Dialogue Enhancer — If enabled and the signal source includes Dolby 5.1 AC-4 audio then clarity of dialogue is enhanced.
- eARC — Toggle between ARC (Off) and eARC (On) for audio output using HDMI 1. If On, audio is sent using eARC and is uncompressed. If Off, audio is sent using ARC and some audio formats may play in standard Dolby Audio, DTS Digital Surround, or PCM.

**TIP:** Your connected sound bar or audio receiver must support eARC in order to receive uncompressed audio. Check your device's user manual for more information.

- Equalizer — Only available when Surround Sound is set to OFF. Boosts or attenuates loudness at different frequencies.

## ADJUSTING THE NETWORK SETTINGS

Your TV is Internet-ready, featuring both an Ethernet port and built-in high-speed wireless internet.

**TIP:** If your TV is connected to a network with an Ethernet cable, you will not see the wireless network connection menu. You must unplug the Ethernet cable to set a wireless network connection.

### Connecting to a Wireless Network

To connect to a wireless network whose network name (SSID) is being broadcast:

Menu > Network > Choose your network > Enter in the password > Connect



### To forget a saved network:

Highlight a saved wireless access point > OK > Forget

### If you do not see your wireless network displayed, click on:

More Access Points > Highlight your wireless network > Enter in the password > Connect

### Changing the Manual Setup Settings

Advanced users can fine-tune the network settings using the Manual Setup feature. The security settings on your router may require you to enter the TV's MAC address.

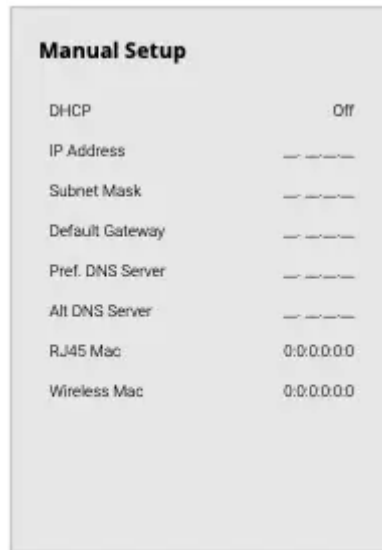
### To change advanced network settings:

Menu > Network > Manual Setup > DHCP > Off

1. Use the Navigation and OK buttons to adjust each setting:

- IP Address — The IP address assigned to the TV.
- Subnet Mask — The subnet Exit 2D.
- Default Gateway — Your network's default gateway address.
- Pref . DNS Server — Your preferred domain name server address.
- Alt . DNS Server — Your alternate domain name server address.

2. Use the Navigation buttons on the remote to highlight Save and press OK.



### To find the TV's MAC address:

Menu > Network > Manual Setup

You can find your TV's MAC address at the bottom of the list. The MAC addresses for the connections in use are displayed:

- RJ45 MAC — The Ethernet or RJ45 MAC address may be needed to set up your network when you have connected the TV to your network when you have connected the TV to your network with an Ethernet (Cat 5) cable.
- Wireless MAC — The Wireless (Wi-Fi) MAC address may be needed to connect your TV to your network with Wi-Fi.

### Connecting to a Hidden Network

To connect to a wireless network whose network name (SSID) is not being broadcast:

Menu > Network > Hidden Network > Enter the Access Point Name > Connect > Enter in the password

### Testing Your Network Connection

To test your network connection:

Menu > Network > Test Connection



## Help Topics

### **The remote is not responding .**

- Make sure the batteries are properly inserted matching the - and + symbols.
- Replace the batteries with fresh ones.

### **The TV displays “No Signal .”**

- Press INPUT button on the remote control to select a different input source.
- If you are using cable TV or antenna connected directly to the TV, scan for channels. See Scanning for TV Channels on page 16.

### **There is no power .**

- Ensure the TV is plugged into a working electrical outlet.
- Ensure the power cable is securely attached to the TV.
- Press the Power/Standby button on the remote or on the back of the TV to turn the TV on.

### **The power is on, but there is no image on the screen .**

- Ensure all cables are securely attached to the TV.
- Ensure all devices are connected correctly. Devices differ; see your device’s user manual for details.
- Adjust Brightness, Contrast, or Backlight. See Adjusting the Picture Settings on page 8.
- Press the INPUT button on the remote to select a different input source.

### **The sound is flat or dialog is not audible.**

- Turn off Volume Leveling. See Adjusting the Audio Settings on page 14.

### **Where do I find information on the accessibility features of this product and other VIZIO products?**

- Please visit [vizio.com/accessibility](http://vizio.com/accessibility)
- Email us at: [Accessibility](mailto:Accessibility@vizio.com), or
- Give us a call at 1-877-698-4746.

### **How do I stream apps like Netflix to my VIZIO SmartCast® TV?**

- Popular apps are located on the SmartCast Home™ screen, so you can simply navigate to the app row on your SmartCast TV to start streaming.
- You can also use Apple AirPlay 2 or Chromecast built-in™ to stream content from your device directly to your SmartCast TV. For more information, please visit:
  - [VIZIO/Apple](http://VIZIO.com/Apple)
  - [VIZIO/Google](http://VIZIO.com/Google)

### **The colors on the TV don't look right.**

- Adjust the Color and Tint settings in the Picture menu. See Adjusting the Picture Settings on page 8.
- Select a pre-set picture mode. VIZIO recommends selecting Calibrated.
- Check all cables to ensure they are securely attached.

### **The image quality is not good.**

- For the best image quality, view high-definition programs using digital sources. Connect your devices with HDMI cables.
- If you are using an antenna, the signal strength of the channel may be low. Ensure your antenna is connected securely to the TV and move the antenna around the room or close to a window for the best signal.

### **The picture is distorted.**

- Move the TV away from electrical appliances, cars, and fluorescent lights.
- Ensure all cables are securely attached.

### **The TV image does not cover the entire screen.**

- If you are using TV, AV, or Component with 480i input, go to Menu > Picture > Picture Aspect.

### **The TV has pixels (dots) that are always dark.**

- Your HD TV is precision-manufactured using an extremely high level of technology. However, sometimes pixels may not display correctly. These types of occurrences are inherent to this type of product and do not constitute a defective product.

### **The buttons on the remote aren't working.**

- Ensure you are only pressing one button at a time.
- Point the remote directly at the TV when pressing a button.
- Replace the remote batteries with new ones. See Replacing the Batteries on page 5.

### **There is no sound.**

- Press Volume Up on the remote control.
- Press the MUTE button on the remote to ensure mute is off.
- Check the audio settings. See Adjusting the Audio Settings on page 14.
- Check the audio connections of external devices (Blu-ray player, game console, cable/satellite box) that are connected to the TV.
- If you are using an antenna, the signal strength of the channel may be low. Ensure your antenna is connected securely to the TV and move the antenna around the room or close to a window for the best signal.
- Set eARC to Off and use ARC mode.

### **I see "noise" or static on the screen.**

- When your TV's digital capabilities exceed a digital broadcast signal, the signal is up-converted (improved) to match your TV's display capabilities. This upconverting can sometimes cause irregularities in the image.
- If you are using an antenna, the signal strength of the channel may be low. Ensure your antenna is connected securely to the TV and move the antenna around the room or close to a window for the best signal.

### **When I change input source, the TV image changes size.**

- The TV remembers the viewing mode on each input source. If the viewing mode on the new input source differs from the one on the input source you switch from, the difference may be noticeable.
- See Changing the Picture Aspect Ratio on page 9.

### **How do I download the VIZIO SmartCast Mobile™ App?**

- Make sure your phone or tablet is connected to a Wi-Fi network. Open a browser on your phone or tablet.
- Navigate to [vizio.com/smartcastapp](http://vizio.com/smartcastapp) and follow the on-screen instructions to download the VIZIO SmartCast Mobile app.

### **How do I change the Inputs?**

- Press the INPUT button on the back of the TV to cycle through the Inputs.
- Press the INPUT button on the basic remote to cycle through the Inputs.
- Make sure the VIZIO SmartCast Mobile™ app is installed on your phone or tablet. Open the VIZIO SmartCast Mobile app. Tap on the Device list and select your TV. Tap on the Input key and select the Input of your choice.

### **How do I connect to my Wi-Fi network?**

- On your TV remote, press the MENU button then go to Network > Select your Wi-Fi name > Enter password.
- Open the VIZIO SmartCast Mobile app on your phone or tablet. Tap on the Menu Tab > SmartCast Devices > Your TV/Device Name > Network
- Tap on the Settings icon > Network > Wireless Access Points. Select your Wi-Fi network from the list, enter the Wi-Fi password, and tap Connect.

### **How do I exit Demo Mode?**

- Press and hold the INPUT button on the back of the TV to exit the demo mode.

### **How do I watch Cable/Antenna TV channels?**

- If you subscribe to cable or satellite, simply connect an HDMI cable (not included) to the receiver.
- If you use external antennas to watch local broadcast channels, use a coaxial cable to connect.

### **Some of my Channels are missing .**

- Press the MENU button on your TV remote and select the channels option. Then select Find Channels.
- Open the VIZIO SmartCast Mobile app on your phone or tablet.
- Click on: Menu Tab > SmartCast Devices > Your TV/Device Name > Channels > Find Channels.

### **How do I disable/enable Viewing Data?**

- Press the MENU button on your remote and select ADMIN & PRIVACY. Then select Viewing Data to turn the feature on or off.

### **The television will not turn on using Alexa or Google Assistant .**

- Ensure the television is in Quick Start Mode.
- Tap on Menu > System > Power Mode > Quick Start.

## How do I know I am getting 4K resolution or HDR content such as Dolby Vision?

- As you are watching content on the television, press the INFO button on the remote or VIZIO SmartCast Mobile app. You will see the current resolution being displayed along with the version of video.
- HDR will show as a Dolby Vision icon, HDR10 or HLG.

## Specifications

	V405-H9	V405-H13	V505-H9	V505-H13	V605-H3	V655-H4
<b>Size</b>	40"	40"	50"	50"	60"	65"
<b>Viewable Area</b>	39.5"	39.5"	49.5"	49.5"	59.5"	64.5"
<b>PRODUCT DIMENSIONS</b>						
<b>Dimensions w/ Stand</b>	35.51" x 22.70" x 8.36" (902.0 x 576.5 x 212.4 mm)	35.51" x 22.70" x 8.36" (902.0 x 576.5 x 212.4 mm)	44.13" x 28.00" x 10.07" (1120.8 x 711.1 x 255.7 mm)	44.13" x 28.00" x 10.07" (1120.8 x 711.1 x 255.7 mm)	53.5" x 33.5" x 10.5" (1360.1 x 850.7 x 267.3 mm)	57.7" x 36.1" x 11.0" (1464.6 x 915.9 x 279.2 mm)
<b>Dimensions w/o Stand</b>	35.51" x 20.51" x 2.55" (902.0 x 521.0 x 64.8 mm)	35.51" x 20.51" x 2.55" (902.0 x 521.0 x 64.8 mm)	44.13" x 25.99" x 2.42" (1120.8 x 690.1 x 61.5 mm)	44.13" x 25.99" x 2.42" (1120.8 x 690.1 x 61.5 mm)	53.5" x 31.0" x 2.9" (1360.1 x 787.7 x 73.0 mm)	57.7" x 33.5" x 3.1" (1464.6 x 849.9 x 78 mm)
<b>Weight w/ Stand</b>	15.28 lb (6.93 kg)	15.28 lb (6.93 kg)	22.05 lb (10.00 kg)	22.05 lb (10.00 kg)	38.5 lb (17.4 kg)	43.6 lb (19.7 kg)
<b>Weight w/o Stand</b>	14.97 lb (6.79 kg)	14.97 lb (6.79 kg)	21.54 lb (9.77 kg)	21.54 lb (9.77 kg)	37.5 lb (17.0 kg)	42.6 lb (19.3 kg)
<b>Mounting Screw Size</b>	M6	M6	M6	M6	M6	M6
<b>Hole Pattern</b>	200 mm x 200 mm	200 mm x 200 mm	200 mm x 200 mm	200 mm x 200 mm	400 mm x 200 mm	400 mm x 200 mm
<b>PICTURE QUALITY</b>						
<b>Maximum Resolution</b>	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)
<b>LCD Backlight</b>	Full Array LED	Full Array LED	Full Array LED	Full Array LED	Full Array LED	Full Array LED
<b>Dynamic Motion Rate</b>	120	120	120	120	120	120
<b>INPUTS / OUTPUTS</b>						
<b>HDMI Inputs</b>	3	3	3	3	3	3
<b>Composite Video Inputs</b>	1	1	1	1	1	1
<b>Ethernet Input</b>	1	1	1	1	1	1
<b>RF Antenna Input</b>	1	1	1	1	1	1
<b>USB</b>	1	1	1	1	1	1
<b>Audio Output</b>	HDMI eARC, Analog Stereo Out, Digital Optical	HDMI eARC, Analog Stereo Out, Digital Optical	HDMI eARC, Analog Stereo Out, Digital Optical	HDMI eARC, Analog Stereo Out, Digital Optical	HDMI eARC, Analog Stereo Out, Digital Optical	HDMI eARC, Analog Stereo Out, Digital Optical
<b>OTHER</b>						
<b>Remote Control Model</b>	IR Remote	IR Remote	IR Remote	IR Remote	IR Remote	IR Remote
<b>Power Consumption</b>	85 W	85 W	90 W	90 W	120 W	145 W
<b>Standby Power</b>	<0.5W	<0.5W	<0.5W	<0.5W	<0.5W	<0.5W
<b>Voltage</b>	120V	120V	120V	120V	120V	120V
<b>OSD Language</b>	English, French, Spanish	English, French, Spanish	English, French, Spanish	English, French, Spanish	English, French, Spanish	English, French, Spanish
<b>Certification</b>	UL, cUL, FCC Class B, BETS-7/ ICES-003 Class B, IC, HDMI (CEC, ARC) Dolby Audio, Dolby Vision	UL, cUL, FCC Class B, BETS-7/ ICES-003 Class B, IC, HDMI (CEC, ARC) Dolby Audio, Dolby Vision	UL, cUL, FCC Class B, BETS-7/ ICES-003 Class B, IC, HDMI (CEC, ARC) Dolby Audio, Dolby Vision	UL, cUL, FCC Class B, BETS-7/ ICES-003 Class B, IC, HDMI (CEC, ARC) Dolby Audio, Dolby Vision	UL, cUL, FCC Class B, BETS-7/ ICES-003 Class B, IC, HDMI (CEC, ARC) Dolby Audio, Dolby Vision	UL, cUL, FCC Class B, BETS-7/ ICES-003 Class B, IC, HDMI (CEC, ARC) Dolby Audio, Dolby Vision

	V655-H9	V655-H13	V705-H3	V705-H13
<b>Size</b>	65"	65"	70"	70"
<b>Viewable Area</b>	64.5"	64.5"	69.5"	69.5"
<b>PRODUCT DIMENSIONS</b>				
<b>Dimensions w/ Stand</b>	57.37" x 35.61" x 11.95" (1457.2 x 904.6 x 303.5 mm)	57.37" x 35.61" x 11.95" (1457.2 x 904.6 x 303.5 mm)	61.8" x 38.4" x 12.9" (1569.2 x 976.4 x 329.3 mm)	61.8" x 38.4" x 12.9" (1569.2 x 976.4 x 329.3 mm)
<b>Dimensions w/o Stand</b>	57.37" x 33.10" x 2.41" (1457.2 x 840.7 x 61.1 mm)	57.37" x 33.10" x 2.41" (1457.2 x 840.7 x 61.1 mm)	61.8" x 35.7" x 2.7" (1569.2 x 907.6 x 68.5 mm)	61.8" x 35.7" x 2.7" (1569.2 x 907.6 x 68.5 mm)
<b>Weight w/ Stand</b>	45.86 lb (20.80 kg)	45.86 lb (20.80 kg)	53.79 lb (24.4 kg)	53.79 lb (24.4 kg)
<b>Weight w/o Stand</b>	44.97 lb (20.40 kg)	44.97 lb (20.40 kg)	52.69 lb (23.9 kg)	52.69 lb (23.9 kg)
<b>Mounting Screw Size</b>	M6	M6	M6	M6
<b>Hole Pattern</b>	400 mm x 200 mm	400 mm x 200 mm	400 mm x 200 mm	400 mm x 200 mm
<b>PICTURE QUALITY</b>				
<b>Maximum Resolution</b>	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)
<b>LCD Backlight</b>	Full Array LED	Full Array LED	Full Array LED	Full Array LED
<b>Dynamic Motion Rate</b>	120	120	120	120
<b>INPUTS / OUTPUTS</b>				
<b>HDMI Inputs</b>	3	3	3	3
<b>Composite Video Inputs</b>	1	1	1	1
<b>Ethernet Input</b>	1	1	1	1
<b>RF Antenna Input</b>	1	1	1	1
<b>USB</b>	1	1	1	1
<b>Audio Output</b>	HDMI eARC, Analog Stereo Out, Digital Optical	HDMI eARC, Analog Stereo Out, Digital Optical	HDMI eARC, Analog Stereo Out, Digital Optical	HDMI eARC, Analog Stereo Out, Digital Optical
<b>OTHER</b>				
<b>Remote Control Model</b>	IR Remote	IR Remote	IR Remote	IR Remote
<b>Power Consumption</b>	140 W	140 W	135 W	135 W
<b>Standby Power</b>	<0.5W	<0.5W	<0.5W	<0.5W
<b>Voltage</b>	120V	120V	120V	120V
<b>OSD Language</b>	English, French, Spanish	English, French, Spanish	English, French, Spanish	English, French, Spanish
<b>Certification</b>	UL, cUL, FCC Class B, BETS-7/ ICES-003 Class B, IC, HDMI (CEC, ARC) Dolby Audio, Dolby Vision	UL, cUL, FCC Class B, BETS-7/ ICES-003 Class B, IC, HDMI (CEC, ARC) Dolby Audio, Dolby Vision	UL, cUL, FCC Class B, BETS-7/ ICES-003 Class B, IC, HDMI (CEC, ARC) Dolby Audio, Dolby Vision	UL, cUL, FCC Class B, BETS-7/ ICES-003 Class B, IC, HDMI (CEC, ARC) Dolby Audio, Dolby Vision

**Warning**

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