

VIERA TH-50PZ700A 50" (127cm) FULL HD Digital Plasma TV [TH-50PZ700A]

Viera Plasma has Evolved to Provide the Full High Definition Story

RRP: \$5,499 [GST inc.]

- ▣ Integrated HD Digital TV (DVB-T) Tuner
- ▣ 3x HDMI Inputs, Viera Link, PC Input, Front inputs with Headphone Out & HDMI in, SDHC card slot for JPEG photo viewing
- ▣ 5,000:1 Contrast Ratio with 4,096 Equivalent Steps of Gradation - 68.7 billion Viewable Colours
- ▣ 1080p Chipset for High Performance Picture Processing (Full-HD Panel 1920x1080 Resolution)
- ▣ Advanced Smart Sound Speaker System & SRS TruSurroundXT



Events that are worth seeing at the best possible quality!



Features and Benefits

▣ **1080p Digital Processing Chip-Set** - Inputting and outputting 1080p video signals without altering their natural specifications. (Image is displayed on Full-HD Panel with 1920 x 1080 resolution).

The 1080p signal format used by Blu-ray Discs offers the highest image quality among high-definition video sources. The VIERA processor receives 1080p video signals in their original format. It applies optimum signal processing to output the same high signal quality. Image is displayed on Full-HD Panel with 1920 x 1080 resolution.

▣ **1080p Digital Re-mastering Processor** - Up-converts SD video signals to 1080p signals. Delivers pictures as beautiful as those from HD video signals. (Image is displayed on

▣ **Advanced Smart Sound Speaker System** - For a *pure, clear sound that seems to come right from the screen*

The new speaker units we developed for this system offer outstanding clarity, rich bass, and superior sound localisation in the medium frequency range. We also developed speaker diaphragms made of eco-friendly bamboo fibres, achieving both a crisp, transparent treble sound and excellent environmental performance. A unique, improved passive radiator in the woofer also helps produce a clear, robust bass sound.

▣ **VIERA Link*** - VIERA can control your entire home cinema system

An HDMI cable carries not only digital video and audio signals, but control signals too. That means you can use your VIERA remote control to operate a DVD recorder, HD video camera and other equipment connected to your VIERA TV. For example, use your VIERA remote to control a timer recording operation

HD Panel with 1920 x 1080 resolution).

The processor converts SD and HD video signals from DTV broadcasting and DVD players to 1080p without loss of image details. It also applies progressive conversion to upgrade 1080i high-definition video signals to 1080p signals. This allows VIERA to render pictures that are more beautiful than the original. Image is displayed on HD Panel with 1920 x 1080 resolution.

▣ Real Black Drive System & Deep Black Filter - Max. 5,000:1 Contrast

Panasonic's original Real Black Drive System and Deep Black Filter reproduce the deep, rich blacks that were inherently difficult to achieve due to the structure of the plasma display panel.

▣ 4,096 Equivalent Steps of Gradation - 68.7 Billion Viewable Colours!

16-bit video processing makes it possible to reproduce images with 4,096 equivalent steps of gradation and an incredible 68.7 billion viewable colours. The picture noise and black blocking that occur with insufficient gradation is suppressed even in scenes with intricate detail, fine textures and subtle expressions. Even the most detailed parts of an image are rendered with beautiful smoothness.

▣ High Resolution - Even for fast moving subjects

Superb motion image display

Each pixel in a plasma display panel emits light. Compared to an LCD, which displays images by rotating liquid crystal molecules, the plasma display panel maintains higher resolution in scenes with fast motion. You'll love the clear, super-sharp images you get from VIERA when viewing action movies or watching football or cricket games, tennis matches, and other sports events.

▣ Self-Emitting System provides a stable colour appearance, even when the screen is viewed from an angle

Plasma Television technology produces light individually from each pixel. This self-emitting technology produces outstanding picture quality, whichever angle from which you view the television.

▣ Faithful Colour Reproduction - Colour reproduction geared to HD standards

VIERA reproduces 100% of the colour range specified in this standard. VIERA reproduces

with your DVD recorder or to start and stop playback of scenes from a video camera. With VIERA, extra ease and convenience are part of the entertainment package.

▣ Operate DVD Recorder Playback and Recording with Only the VIERA Remote Control

Use the VIERA remote control unit to operate your Panasonic DVD recorder. Press the VIERA Link button on the VIERA remote, select "Recorder" from the VIERA Link screen, then choose playback, or other functions from the menu. It's that easy.

▣ Play Scenes from an HD Video Camera with Only the VIERA Remote Control

Press the VIERA Link button on the VIERA remote, then select "Video Camera" from the VIERA Link screen. Now you can control play, stop, fast-forward and other functions using the navigation controls and playback panel.

▣ HDMI Input

For future expandability and ease of use, TH-50PZ700A comes equipped with 3 HDMI connector slots, one on the front and two on the rear. Use the rear panel connector for your DVD Recorder, DVD player or Blu-Ray Player, and use the front connector to hook up a digital video camera and view images you've just recorded.

▣ PC Input

VIERA is equipped with a PC input terminal. For business users, the PC input lets you take advantage of VIERA's big screen and exceptional viewing quality in presentations and training programmes.

▣ Big Screen with Energy-Saving Design High-Efficiency Operation

With a plasma display panel, power consumption varies with the brightness of the displayed image. VIERA incorporates circuitry designed to use electrical power efficiently, according to the scene. This helps minimise power consumption and reduce your electric bills. Panasonic's care for the environment extends to manufacturing as well. For example, VIERA circuit boards are made using lead-free solder

▣ Long Service Life - Panel Service Life of Approximately 100,000 Hours*

The lifespan for both Plasma and LCD panels is dependent on viewing habits. Panasonic

images from digital HD broadcasts in their true original colour, with minimal colour shift.

▣ **Advanced 3D Colour Management - Effective colour correction without affecting colour balance**

This system controls multiple colours at the same time without affecting neighboring colours. By independently adjusting the colour hue, density and brightness, it brings out the full beauty and richness of every image.

▣ **Sub-Pixel Controller - Smooth images - no jagged edges**

This system maintains the image contours by adjusting each R, G and B dot, so it delivers smooth contour lines even at diagonal sections, where jagged lines are normally conspicuous on a large screen.

▣ **Making Products More Easily Recyclable - *Lead-Free Products***

All VIERA plasma display panels are lead-free. This reduces the impact on the environment when recycling or disposing of them in the future.

technology has now enhanced Plasma panel life to 100,000 hours*, a huge improvement on previous models panel life.

*Number of hours until the panel's brightness is reduced by half, based on operation in the standard mode with dynamic content. Does not take into consideration residual images (burn-in) or malfunctions.

Product Specifications

Screen Size (cm viewable)	127
Screen Size (inches overall)	50
Screen Type	Plasma
Panel Type	Progressive Full-HD Plasma Panel
Panel Aspect Ratio	16:9 (Widescreen)
Aspect Ratio Format Switching	Yes
Aspect Ratio Control Modes (TV/AV modes)	4:3, 4:3 Full, 14:9, 16:9, DVB-T 16:9 Fixed, Just, Zoom1, Zoom2, Zoom3
Aspect Ratio Control Modes (PC mode)	16:9, 4:3
Comb Filter	3D Digital
100Hz Technology	Yes
Progressive Scan	Yes
TV Tuner Receiving System	DVB (Digital), PAL-B/G (Analogue)
Tuner Type	Integrated SD/HD DVB-T 7MHz Australia, PAL B/G
Channel Preset/s	-
Colour System	PAL, NTSC
Picture In Picture (PIP)	Yes
Multi-Window	PIP/PAT/PAP
CATV/Hyperband Tuner	Yes
Stereo	PAL 2CS Stereo
Horizontal Resolution (pixels)	1920
Vertical Resolution (pixels)	1080
Contrast Ratio : 1 - (Dark Room)	5000
Picture Adjustment Modes / Film Modes	Normal, Dynamic, Cinema
Colour Temperature Control	Normal, Cool, Warm
Picture Quality Improvement Functions	3D Colour Management, 3D Comb Filter, Sub Pixel Control, Picture Noise Reduction, MPEG Noise Reduction
Teletext	Yes
Audio Output Power - Total (Watts RMS)	31
Speakers	4
Audio Features	Bass/Treble, Balance, Headphone Volume, SRS TruSurround XT, Smart Sound Speaker System
Auto Timed On/Off Switch	Off Only
On Screen Display Languages	English
Parental Guidance (Channel Lock and Game Guard)	Yes
Remote Control	Standard
SD Card Slot	SDHC Compatible
Component Video Input	x2

Applicable Component Video Input Signals	576i @ 50Hz (15.63KHz), 576p @ 50Hz (31.25KHz), 720p @ 50Hz (37.50KHz), 1,080i @ 50Hz (28.125KHz), 480i @ 60Hz (15.73KHz), 480p @ 60Hz (31.47KHz), 720p @ 60Hz (45KHz), 1,080i @ 60Hz (33.75KHz)
HDMI Input/Output	x3
Applicable HDMI Video Input Signals	576i @ 50Hz (15.63KHz), 576p @ 50Hz (31.25KHz), 720p @ 50Hz (37.50KHz), 1,080i @ 50Hz (28.125KHz), 1,080p @ 50Hz (56.25KHz), 480i @ 60Hz (15.73KHz), 480p @ 60Hz (31.47KHz), 720p @ 60Hz (45KHz), 1,080i @ 60Hz (33.75KHz), 1,080p @ 60Hz (67.5KHz)
S-Video Input	2
Combined I/O Scart Terminal(s)	-
PC Input	1x VGA (15 pin Mini-D-Dub)
Applicable PC Input Signals	4:3 ASPECT RATIO:, 640×400 @ 70Hz (31.46KHz), 640×480 @ 60 Hz (31.47KHz), 640×480 @ 75 Hz (37.50KHz), 800×600 @ 60 Hz (37.88KHz), 800×600 @ 75 Hz (46.88KHz), 800×600 @ 85 Hz (53.67KHz), 1,024×768 @ 60 Hz (48.36KHz), 1,024×768 @ 70 Hz (56.48KHz), 1,024×768 @ 75 Hz (60.02KHz), 1,024×768 @ 85 Hz (68.68KHz), 1,280×1,024 @60 Hz (63.98KHz), Macintosh 13 inch 640x480 @66.67Hz (35KHz), Macintosh 16 inch 832x624 @74.54Hz (49.72KHz), Macintosh 21 inch 1152x870 @75.06Hz (68.68KHz), 16:9 ASPECT RATIO:, 852x480 @ 60 Hz (31.5KHz), 1366x768 @ 60 Hz (48.4KHz)
A/V Input	3 - Rear, 1 - Front
A/V 1:	Stereo-in L&R [RCA], Video-in [RCA], Component Video Input [Y, Pb, Pr]
A/V 2:	Stereo-in L&R [RCA], Video-in [RCA], Component Video Input [Y, Pb, Pr]
A/V 3:	Stereo-in L&R [RCA], Video-in [RCA], Component Video Input [Y, Pb, Pr]
A/V 4:	Stereo-in L&R [RCA], Video-in [RCA]
Digital Audio Out	Optical Terminal, DVB-T Only
Monitor Out	Stereo L&R [RCA], Video [RCA]
Headphone Jack	3.5mm Stereo
Screen Saver	No
Maximum Power Consumption (Watts)	640
Operating Temperature Range - Minimum (degrees C)	TBC
Operating Temperature Range - Maximum (degrees C)	35
Operating Humidity Range	20% - 80%RH (non condensation)
Video Cabinet Stand	-
Pedestal Stand	Supplied as Standard
Weight (kg)	56
Dimensions (mm) Without Stand - Height	802
Dimensions (mm) Without Stand - Width	1266
Dimensions (mm) Without Stand - Depth	138
Dimensions (mm) With Stand - Height	850
Dimensions (mm) With Stand - Width	1266

Dimensions (mm) With Stand - Depth	369
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