

VIeRA TH-P65V10A 65" (165cm) Full-HD Digital Plasma TV [TH-P65V10A]

Panasonic's famous Plasma technology has evolved to deliver better pictures than ever! - a whole new VIeRA
- VIeRA



RRP: \$6,699 [GST inc.]

- ▣ 12th Generation Neo Full-HD Progressive Plasma Panel
- ▣ 2,000,000+ : 1 Dynamic contrast ratio
- ▣ 4 x HDMI inputs
- ▣ Digital Cinema Colour and THX
- ▣ Super Slim 2" Depth panel (At thinnest point)



NeoPDP - an entirely new kind of Plasma

NeoPDP is an entirely new Plasma design. NeoPDP combines breakthrough revisions in three critical areas - materials and processes; discharge gas and cell design; and circuit and drive technology. Together these advantages bring you twice the luminous efficiency of previous displays.



Full High Definition motion with 1080 Line Resolution

VIeRA 600Hz Sub-field Drive technology lets you view superb Full HD motion and still images with 1080 lines of resolution. For even greater clarity with motion images, Panasonic uses unique image-analysis technology. This convert the motion in each scene into data, then optimises the frame to display fast-action scenes in Full HD resolution. Each frame display is faster than previous systems, to reduce after effects.

2,000,000+ : 1 Dynamic Contrast (Native 40,000: 1)

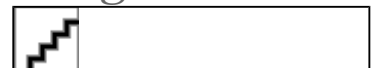
New VIeRA models incorporate an improved panel production process and the new Real Black Drive system. A pre-discharge control system, the Real Black Drive system combines with NeoPDP technology to achieve next-generation black reproduction. When you're watching movies, VIeRA renders images just the way the director intended, even in scenes where it's difficult to achieve a proper balance of light and dark.

Rich graduation: 6,144 Equivalent Steps of Gradation

The equivalent of a full 6,144 steps of gradation assures smooth, rich image expression. This superb gradation performance means that even the delicate shades of colours in a sunrise are accurately reproduced.

Integrated Digital TV is certified to deliver the following:

- ▣ Certified High Definition screen resolution
- ▣ Certified built-in High Definition digital TV tuner compliant with Australian standards
- ▣ Certified compliance with HDMI/HDCP digital connection standards
- ▣ Certified compliance with Dolby audio standards
- ▣ Certified digital TV receiver software update capability



Which means you get:

- ▣ Better High Definition free-to-air digital TV viewing
- ▣ Better inter-connectivity with other High Definition digital devices
- ▣ Better home theatre connectivity

Features and Benefits

▣ Full High Definition Progressive Scan Plasma Panel (1920 x 1080 Pixels)

Panasonic's renowned Full High Definition TVs feature outstanding picture quality delivered through Full High Resolution Panels. Panasonic designs and manufactures Plasma Panels and TVs Sets in-house to deliver superior quality.



▣ Integrated High Definition Digital DVB-T Tuner

Renowned for producing industry-leading HD Digital Tuners - Panasonic has incorporated a digital tuner into the Television for superior picture quality. The Television also features an analogue tuner.

▣ 600Hz Sub-Field Drive

600Hz technology lets you view Full HD motion and still image with 1,080 lines of resolution. For even greater clarity with motion images, Panasonic uses its own unique image-analysis technology. This technology converts the motion in each scene into data. And each frame is practically displayed for a shorter length of time than in previous systems, to reduce aftereffects.

▣ 2,000,000+ : 1 Dynamic Contrast (Native 40,000:1)

New VIERA models incorporate an improved panel production process and the new Real Black Drive system. A pre-discharge control system, the Real Black Drive system combines with NeoPDP technology to achieve next-generation black reproduction. When you're watching movies, VIERA renders images just the way the director intended, even in scenes where it's difficult to achieve a proper balance of light and dark.

▣ Rich gradation: 6,144 Equivalent Steps of Gradation

The equivalent of a full 6,144 steps of gradation assures smooth, rich image expression. This superb gradation performance means that even the delicate

▣ VIERA Link: Operation with a single remote control

VIERA link allows you to control your VIERA TV, Panasonic Blu-ray or DVD player / recorder, Panasonic Home theatre system and Panasonic Full HD camcorder with a single remote, from the comfort of your sofa. Simply connect the devices to each other with an HDMI cable. That's Genius Connecting.

▣ Sub-Pixel Controller for outstanding images with reduced jagged edges

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

▣ PC Input for easy connection to your Personal Computer

Panasonic includes PC Input to easily connect a personal computer and take advantage of the large screen offered with VIERA TVs. You can use your VIERA TV for presentations and other applications.

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

This system controls multiple colours at the same time to independently adjust colour hue, density and brightness to bring out the full beauty and richness of every image.

▣ 7-Day Electronic Program Guide Compatible*

Panasonic VIERA TVs provide a 7-Day Electronic Program Guide to easily view and decide which program to view. * Broadcast Permitting

▣ ADVANTAGES OF PLASMA TECHNOLOGY:

Superb motion image display

Each pixel in a plasma display panel individually emits light. Compared to an LCD,

shades of colours in a sunrise are accurately reproduced.

▣ Real Movie Experience THX Certified Display

THX reproduces movie images exactly as the movie's creator intended them. In the early 1980's, Lucasfilm established the THX Standard to stipulate the audio and video quality criteria for cinema environments. The overall aim was to improve the experience of cinema-goers and faithfully recreate the audio and visual ambiance that film makers intended. VIERA meets the high standards set by the THX Certified Display Program.



▣ Digital Cinema Colour: the real Cinema experience

VIERA's wide colour gamut covers 120% of the HDTV colour standard. This approaches the level of colours in cinemas and produce images with extremely rich colours.



▣ 24p Smooth Film

Enjoy smooth 24p movies and familiar TV-like quality. In Plasma displays, increasing the number of frames creates smoother images. When reproducing images from a 24p movie source, VIERA's 24p Smooth Film function generates smooth, natural-looking images.

▣ 24p Playback

The 24p Playback function provides film-like, flicker free images at 96Hz playback (ie each frame is displayed four times).

▣ x.v Colour™



Compatibility with x.v Colour standards lets VIERA transmit a wealth of colour information, resulting in reproduction of images with the same rich, vivid colours you see in nature. This is like expanding the width of the path the colour data takes.

▣ Excellent connectivity with 4 x HDMI Inputs

Increase connectivity with other devices with 4 x HDMI Inputs. You can for example connect to your VIERA TV a Blu-ray or DVD player / recorder, a Home theatre system, and a gaming console.

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, cricket, tennis and other sports events.

Outstanding Colour Reproduction even when viewed from an angle

Plasma technology delivers superior colour reproduction. When you view an LCD from an angle, you'll notice that the skin tones appear whitish. With VIERA plasma display panel, colours look virtually just as good from a sharp angle as they do from directly in front. Digital HD TV broadcast transmissions are based on a set of specifications called the HDTV Standard*. VIERA reproduces 100% of the colour range specified in this standard. VIERA reproduces images from digital HD broadcasts in their true original colour, with minimal colour shift.

* Name of standard: ITU-R BT.709

Incredible Contrast and the ability to clearly produce the darkest movie scenes

Plasma technology produces outstanding contrast performance. The incredible contrast enables accurate reproduction of even the darkest movie scenes.

▣ ENVIRONMENTALLY FRIENDLY PANEL

Long-lasting TV Long Panel Life, Up to 100,000 Hours*

VIERA Plasma TVs can be used for approximately 30 years. Using high-quality Products for longer, and taking care of them is the first step to environmental conservation. A newly design phosphor process and rear panel process give the Plasma panel a longevity of up to 100,00 hours*. This is more than 30 years of viewing when watched 8 hours a day, before the brightness of the panel decreases to half.

*This measurement is based on the time taken for the brightness of the panel to reduce to half of its initial maximum level based on operation in the normal mode with dynamic content. The time taken to reach this level may vary depending on the image content and the environment where the TV is used. Image retention and malfunctions are not taken into account.

Lead & mercury free plasmas

VIERA Plasma display panels are lead-free and contain no mercury. This reduces the impact on the environment when recycling or disposing of them in the future.

▣ VIERA Image Viewer: Easy viewing of Full HD Photos and Videos

It's easy to view Full HD images with the SD card slot.



Watch and show your photos and videos to family and friends right after you take them. Simply slip your SD card out of your camera or camcorder, and into your VIERA TV, to display photos and Full HD videos on the large screen. You can also choose from among 3 types of background music and 4 display effects. That's Genius Sharing.

For more information on Panasonic's commitment to environmentally friendly TV please visit: www.energy-wise.com.au
(<http://www.energy-wise.com.au/>)



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Product Specifications

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| Screen Size (cm viewable) | 165 |
| Screen Size (inches viewable) | 65 |
| Screen Type | Plasma |
| Panel Type | Progressive Full-HD Plasma Panel |
| Panel Aspect Ratio | 16:9 (Widescreen) |
| Aspect Ratio Control Modes (TV/AV modes) | 4:3, 4:3 Full, 14:9, 16:9, Just, Zoom1, Zoom2, Zoom3, DTV: 16:9 & 4:3 Full |
| Aspect Ratio Control Modes (PC mode) | Auto, 16:9, 14:9, Just, 4:3, Zoom, Zoom1, Zoom2, Zoom3 |
| 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 |
| Electronic Program Guide (EPG) Support | Yes - 7 Day ¹ |
| 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 - Native | 40000 |
| Contrast Ratio: 1 - Dynamic | 2000000 ² |
| Picture Adjustment Modes / Film Modes | Normal, Dynamic, Cinema, Eco, Game |
| Colour Temperature Control | Normal, Cool, Warm |
| Picture Quality Improvement Functions | 24p Real Cinema Playback, 24p Film Playback, 3D Colour Management, 3D Comb Filter, Sub Pixel Control, Motion Pattern Noise Reduction, C.A.T.S. (Contrast Automatic Tracking System), Video Noise Reduction |
| Teletext | Yes |
| Audio Output Power - Total (Watts RMS) | 20 |
| Speakers | 2 |
| Audio Features | Virtual Surround Sound, Bass/Treble, Balance, Headphone Volume |
| Auto Timed On/Off Switch | Off Only |
| On Screen Display Languages | English |
| DTV Parental Guidance Info | Yes |
| Remote Control | Standard |
| SD Card Slot | Yes, SDHC Compatible |

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|--|---|
| Component Video Input | Yes, 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 | Yes, x4 |
| 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), 1,080/24p @ 24Hz (27KHz) |
| S-Video Input | 2 |
| Combined I/O Scart Terminal(s) | - |
| PC Input | Yes, 1x VGA (15 pin Mini D-sub) |
| Applicable PC Input Signals | 4:3 ASPECT RATIO:, 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) |
| A/V 1: | Audio/Video-in |
| A/V 2: | Audio-in, Video-in, Component Video Input [Y, Pb, Pr] |
| A/V 3: | Audio/Video-in, S-Video-in |
| A/V 4: | Audio/Video-in |
| Digital Audio Out | Optical Terminal, DVB-T Only |
| Monitor Out | Stereo L&R [RCA], Video (CUBS) [RCA] |
| Headphone Jack | 3.5mm Stereo |
| Operating Temperature Range - Minimum (degrees C) | 0 |
| Operating Temperature Range - Maximum (degrees C) | 35 |
| Operating Humidity Range | 20% - 80%RH (non condensation) |
| Pedestal Stand | Supplied as Standard |
| Swivel Stand Operation | No |
| Weight (kg) | 66 ³ |
| Dimensions (mm) Without Stand - Height | 964 |
| Dimensions (mm) Without Stand - Width | 1572 |
| Dimensions (mm) Without Stand - Depth | 97 |
| Dimensions (mm) With Stand - Height | 1016 |
| Dimensions (mm) With Stand - Width | 1572 |
| Dimensions (mm) With Stand - Depth | 415 |
| ¹ EPG data is dependent on the transmission of this data from each individual broadcaster ² 2,000,000+ ³ With Supplied Pedestal Stand. Weight without pedestal stand = 60kg | |