

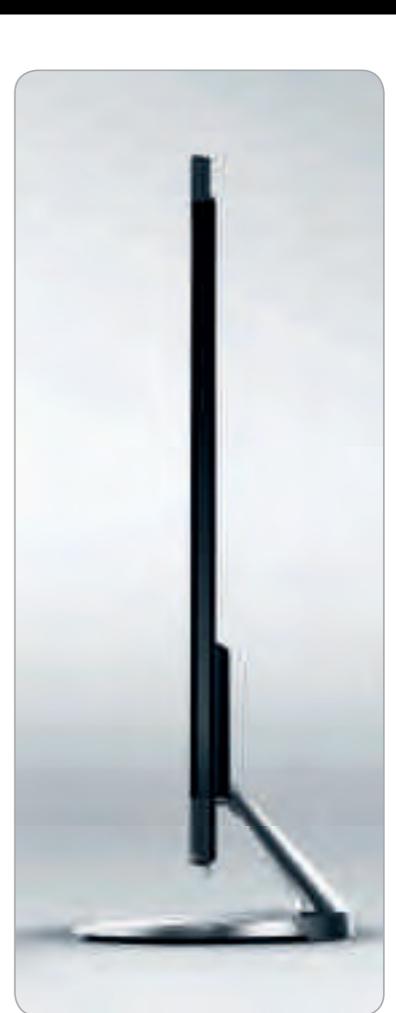
Panasonic
ideas for life

VIERA FLAT SCREEN TVs

SPRING 2009



EVERY
MOMENT
MATTERS



SPRING VIERA A409

Panasonic

WWW.PANASONIC.CO.UK
WWW.VIERAEXPERIENCE.COM

VIERA



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TECHNOLOGY & SPECIFICATION

TX-P54Z1
Z1

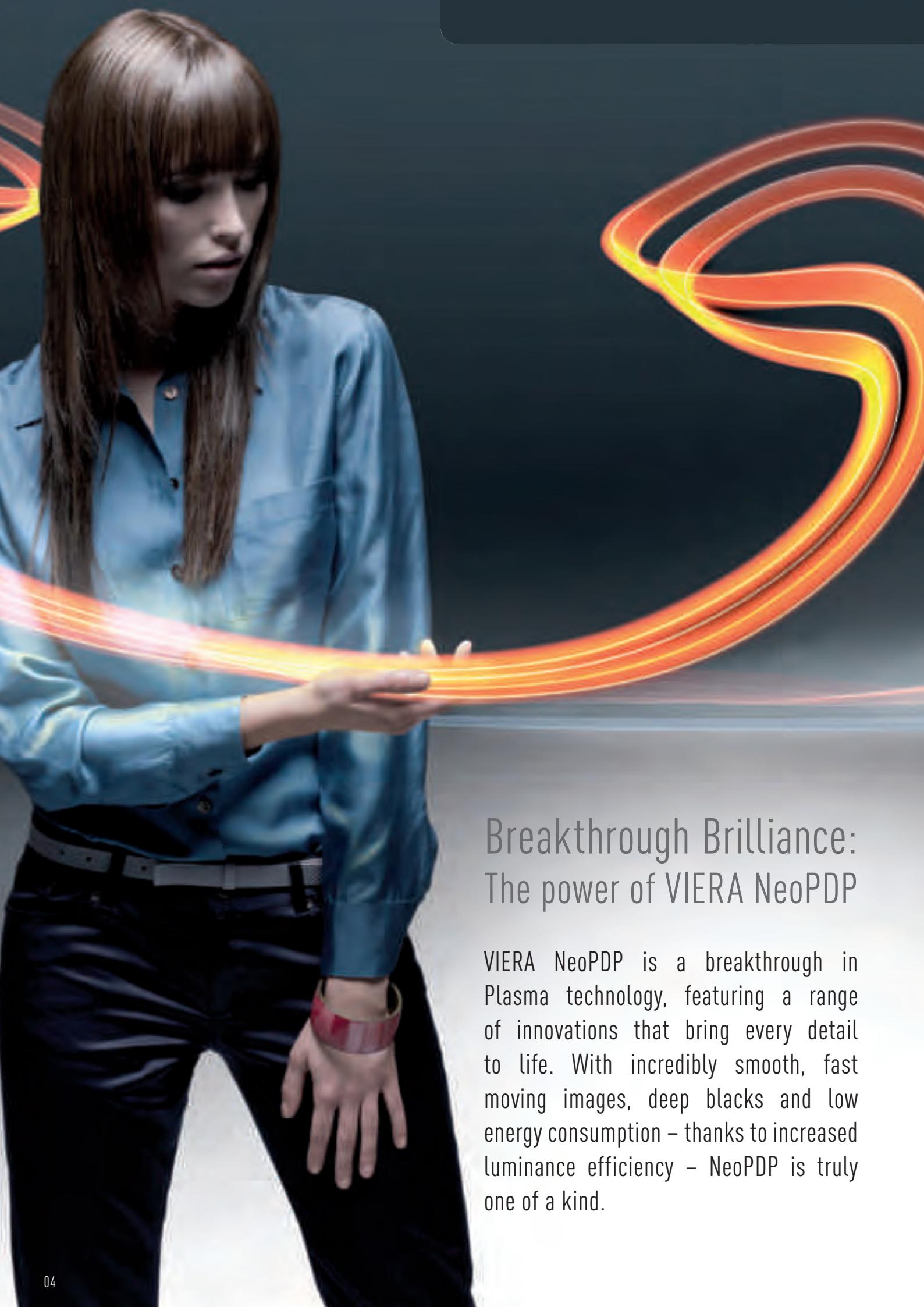


Illumination & Innovation

Break free from the limitations of conventional TVs by entering a new era in superior TV viewing and use. The entire range of VIERA flat screen TVs combines precise engineering with expert craftsmanship that delivers a new vibrant visual experience.



If you desire stunning High Definition films, brilliant images and true picture fast-action movies, sports and gaming – there is a VIERA TV for you. Together with next-generation connectivity options and access to selected Internet content, VIERA is leading the way in home entertainment.



Breakthrough Brilliance: The power of VIERA NeoPDP

VIERA NeoPDP is a breakthrough in Plasma technology, featuring a range of innovations that bring every detail to life. With incredibly smooth, fast moving images, deep blacks and low energy consumption – thanks to increased luminance efficiency – NeoPDP is truly one of a kind.

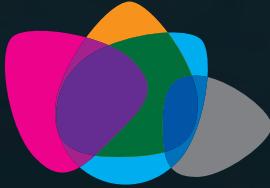
VIERA

TX-P54Z1
Z1



NEOPDP

VIERA with freesat HD



Your favourite channels,
and loads of them!



The BBC and ITV bring you freesat, a digital satellite TV service giving you free HD programmes at no extra cost. freesat has no contract, no subscription, just a one-off payment for the TV, satellite dish and installation. And because freesat is broadcast via satellite, it is available to almost every household in the UK.

Whether you are looking for a 65" Plasma or a 32" LCD, the 2009 VIERA range with freesat, offers cutting edge technology and elegant design with built-in freesat HD tuner enabling subscription free HD channels.

V10 SERIES PLASMA (page 24)

G15 SERIES PLASMA (page 25)

G10 SERIES PLASMA (page 26)

V10 SERIES LCD (page 30)

G15 SERIES LCD (page 31)

G10 SERIES LCD (page 32)

freesat requires connection to a suitable satellite dish.



Over 145 of the most popular channels and many more being added every month. Our line-up will just get better and better.

From movies and sport to entertainment and children's channels, there's something for the whole family to enjoy.

freesat choice for everyone



TX-P50V10

V10

The power behind NeoPDP

VIERA NeoPDP is an entirely new kind of Plasma television. Featuring cutting-edge 600Hz Sub-field Drive and Intelligent Frame Creation Pro technology, NeoPDP delivers super-fast motion with breathtaking details that will forever change the way you watch TV.



SHARPER PICTURES

To ensure that sporting events, action films and gaming picture quality is smooth and without judder, VIERA NeoPDP employs 600Hz Sub-field Drive with Intelligent Frame Creation Pro. Based on 600Hz technology, the internal processor creates 600 Sub-fields, then an intelligent algorithm selects the best ones to optimise the flow of motion on the screen.

OUTSTANDING CONTRAST

VIERA NeoPDP TVs boast an ultra-high dynamic contrast ratio of over 2,000,000:1 thanks to a newly developed discharge gas. That means blacks are purer and whites brighter – for more vibrant and lifelike pictures with every film or TV programme.

INCREASED ENERGY EFFICIENCY

Since offering eco-friendly products is important to Panasonic, we have developed new materials for the VIERA NeoPDP range which enable the televisions to deliver twice the luminance efficiency of previous models. The result: less power consumption without compromising on image quality.



You can rest assured knowing that Panasonic has taken great care to develop long-lasting, energy-saving Plasma and LCD TVs that reduce the impact on the environment.

The unique Panasonic V-real 4 and V-real PRO 4 picture enhancement technologies ensure superb quality with lifelike details even for fast-moving scenes.

VIERA TVs are slim and lightweight for wall hanging and they perfectly complement any interior with their timeless, stylish design.

ECO-FRIENDLY

SUPERIOR
PICTURE

BRILLIANT
SOUND

OUTSTANDING
DESIGN

SMART
NETWORKING

Experience crystal-clear sound with superior bass performance thanks to unique Panasonic V-Audio ProSurround and V-Audio Surround sound technologies.

Enjoy effortless connectivity options as well as a variety of other convenient features that enable fast, easy operation of any VIERA TV and compatible Panasonic products.

All-round Excellence

Panasonic is committed to offering you an excellent viewing and home entertainment experience. That is why every VIERA television has been engineered to provide superior picture quality, smart networking options, a timeless and stylish design as well as powerful sound – while reducing environmental impact with eco-friendly features.

Environmentally Friendly

Panasonic aims to reduce CO₂ emissions, waste and chemical use as much as possible throughout a product's entire lifecycle, to minimise its environmental impact.

LONG-LIFE DESIGN FOR LESS WASTE

VIERA Plasma TVs are designed to provide a panel life of up to 100,000 hours, giving you up to 35 years of superb entertainment. A panel life time of up to 60,000 hours can be achieved by our VIERA LCD TVs.

BUILT TO LAST

Thanks to the Tough Panel on all VIERA Plasma TVs*, concerns about serious screen damage are a thing of the past. The front sheet of glass on the TV will resist impacts of up to four joules, which is particularly reassuring for families with small children and gamers who use motion controllers.

*except Z1 Series

LEAD-FREE PLASMA TVs

Panasonic is the first manufacturer in the world to develop an alternative to lead, enabling us to eliminate this harmful substance from our VIERA Plasma models. This reduces the impact on the environment when recycling or disposing of our Plasma TVs.



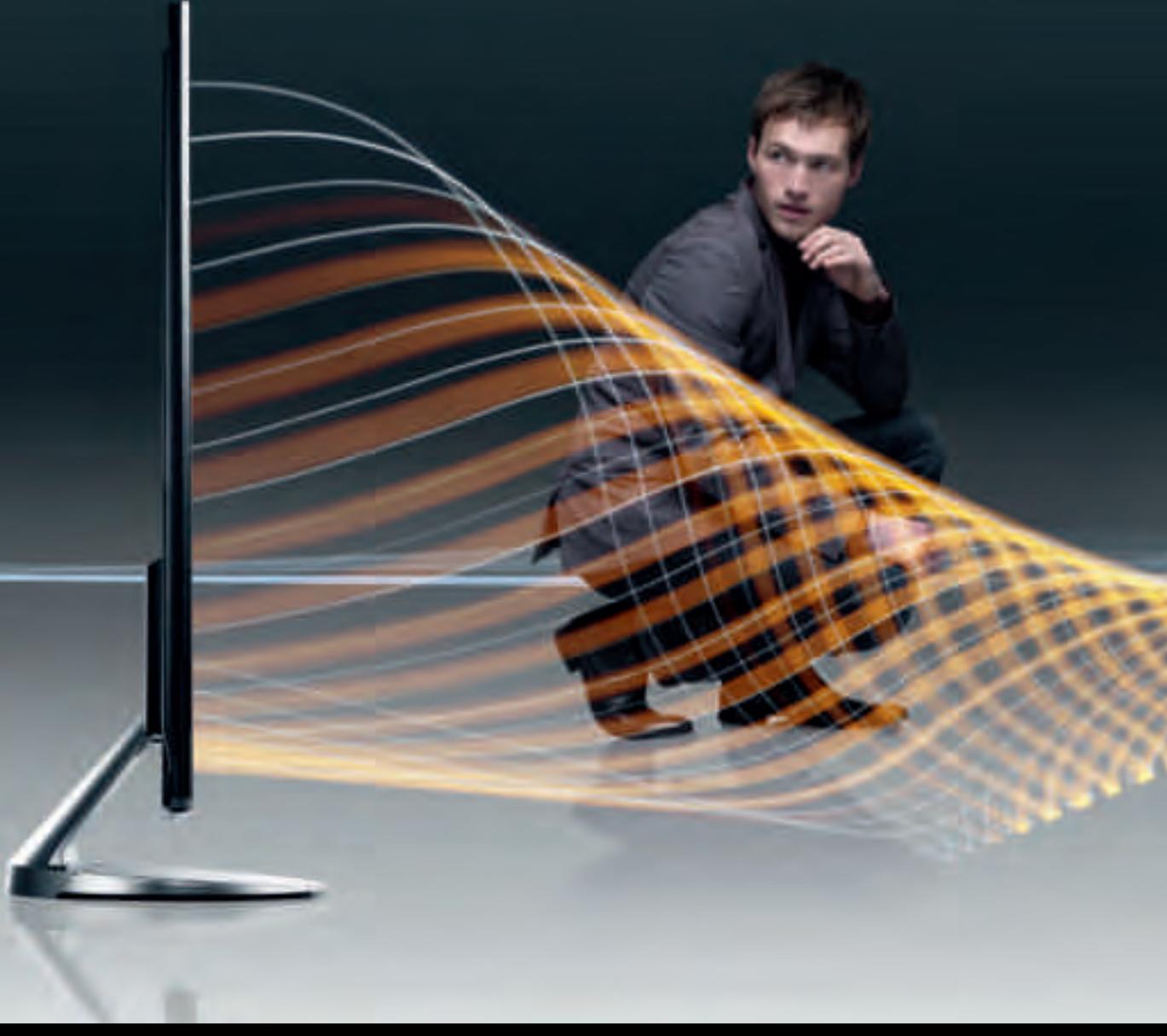
ECO WORLD

ENERGY-SAVING ECO LINK

Panasonic's advanced VIERA Link function has been developed to include environmentally friendly functions for the new 2009 VIERA TV models. For example, the energy-saving Eco Link can put all connected Panasonic devices into sleep mode when they are not in use.

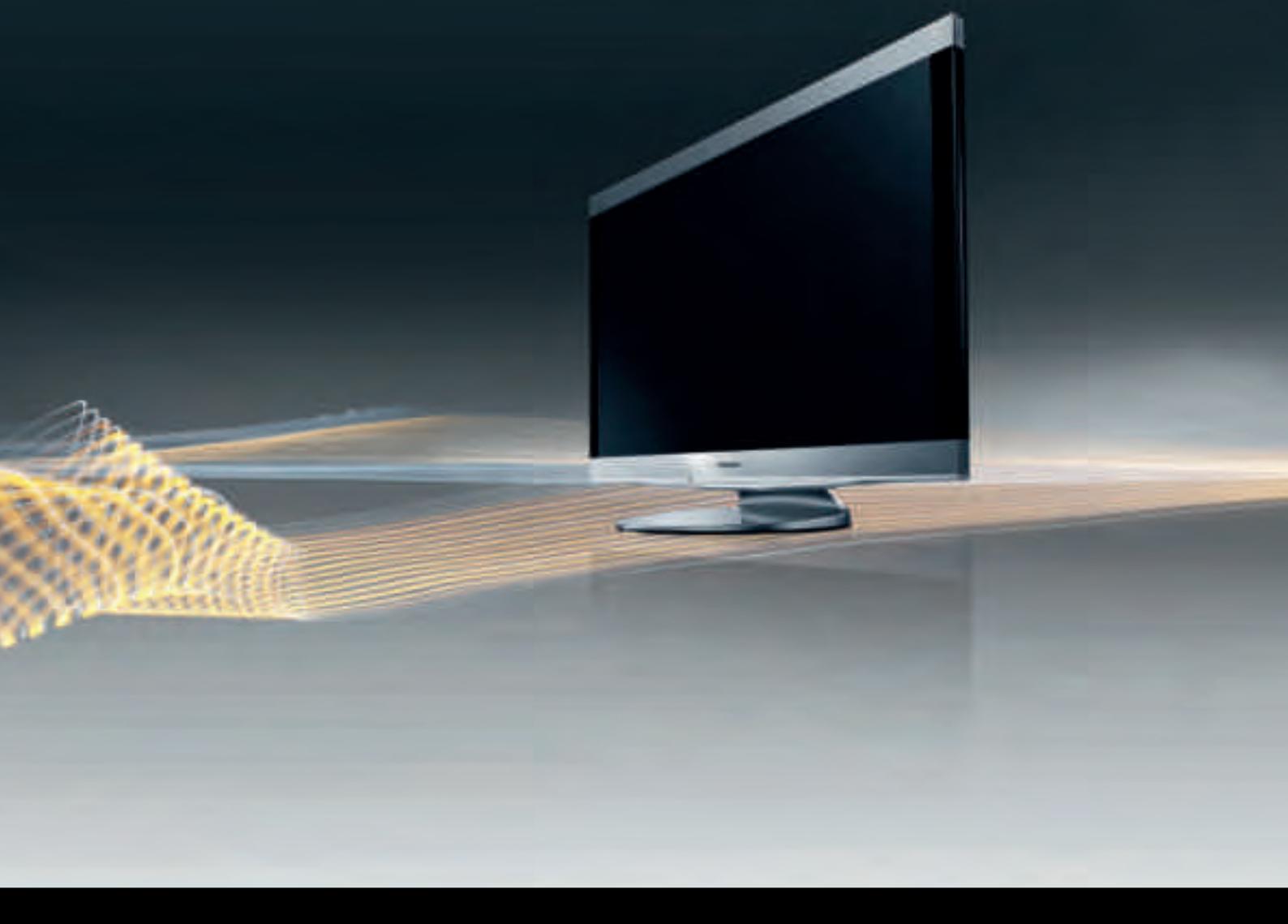
LESS POWER CONSUMPTION

Standard on most VIERA TVs, Eco Mode uses a photo sensor to measure the ambient light in the room, then adjusts the panel's brightness accordingly. As a result, a VIERA TV uses up to 55% less power* in darkly lit conditions.



SLIM DESIGN

No matter which VIERA Plasma or LCD TV catches your eye, you are assured a timeless, elegant television with design details that will never go out of style.



Timeless Design



SCULPTED TO PERFECTION From the ultra-slim, lightweight Z1 to V10 series models featuring our unique one-sheet-of-glass design, Panasonic has taken great care to create products of the highest quality. Not only have we placed special importance on using valuable materials such as aluminium with a modern hairline finish – every detail of the features, housing design and placement of the buttons has also been carefully considered. The latest VIERA Z1 models even offer wireless connectivity, eliminating the need for messy HDMI wires. The result is a stylish TV that perfectly blends in to any home interior and AV system.

UNIQUE “FLOATING” IMPRESSION The Panasonic unique one-sheet-of-glass design available on our 42" and 50" V10 NeoPDP models makes the screen completely flat – giving the impression that the television is literally ‘floating’ in the air or on your wall.

SUPER-SLIM STYLE With an ultra-thinness of only 1 Inch* (24.7 mm), the Z1 VIERA Plasma takes impeccable style to a whole new level. It combines a lightweight design, which is perfect for hanging on the wall, with an elegant brushed-aluminium bezel to make a sophisticated aesthetic statement.

*(54" model only)



Smart Networking

Because your TV viewing experience should be as comfortable and easy as possible, all Panasonic VIERA TVs come with a range of convenient networking options.

USER-FRIENDLY INTERFACE Now selecting your input of choice has just gotten easier. Simply press the VIERA Tools button on the VIERA TV remote control and the VIERA Tools interface is displayed, offering direct access to main functions like Photo Slideshow, Movie Playback from SD card and many more.

DIRECT INTERNET ACCESS With VIERA CAST, you have virtual one-click access to YouTube™, Eurosport™ and Google Picasa™ Web Albums directly from your compatible VIERA TV. Enjoy millions of YouTube™ and Eurosport™ videos in full widescreen playback – or comfortably share your favourite photos on Picasa™ Web Albums with family and friends without having to crowd around a PC¹⁾.

ONE REMOTE, TOTAL CONTROL VIERA Link gives you control over your entire compatible Panasonic AV components, when connected via HDMI, from a single remote. Easily control your Panasonic compatible products, like the Panasonic Blu-ray player, and even have instant access to your Panasonic HD camcorder or LUMIX digital camera – all using the VIERA TV's remote control and user-friendly interface.



NETWORKING

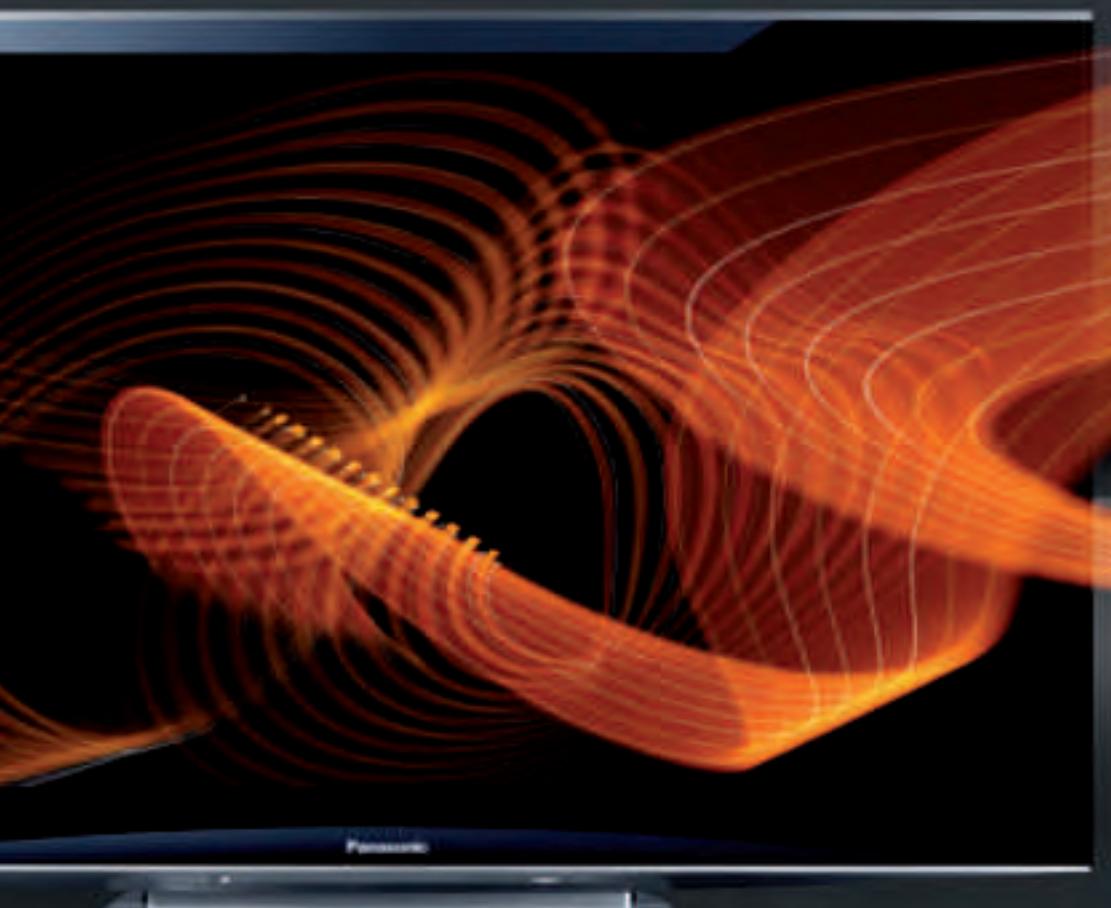
NO WIRES NEEDED Enjoy greater freedom thanks to wireless HD technology. Wireless HD lets you stream uncompressed Full HD content and 5.1 channel surround sound directly to the Panasonic compatible VIERA Z1 Plasma TV – without the clutter and hassle of cables.

EASY IMAGE VIEWING A Full HD VIERA TV is the ideal way to enjoy larger-than-life pictures and videos²⁾ recorded with your Panasonic HD camcorder or LUMIX digital camera. That is why VIERA features the VIERA Image Viewer function. Simply slot in the SD Card – your photos and home movies²⁾ will appear on the television as lifelike as the moment you captured them.

For added convenience, VIERA offers the DLNA connectivity standard (Digital Living Network Alliance). That means you can connect a PC to your VIERA TV via an Ethernet cable and effortlessly play back DivX³⁾ movies on the large VIERA flat screen TV.

¹⁾ VIERA CAST provides access to exclusive content and does not enable you to browse the Internet.

²⁾ Not applicable on all VIERA TVs. ³⁾ DivX® is a registered trademark of DivX, Inc., and is used under license.



PICTURE

Without V-real PRO 4



With V-real PRO 4



TRUE IMAGE ENHANCEMENT All VIERA TVs are equipped with the Panasonic award-winning V-real picture enhancement technology. It perfectly optimises the performance of the television panel to render smooth, crystal-clear motion without compromising on delicate colours with rich gradation. Our 2009 freesat Full HD models feature advanced V-real PRO 4, while our HD ready TVs boast V-real 4 technology.



SMOOTHER ACTION For the smoothest on-screen motion, our high-end VIERA Full HD Plasma TVs employ 600Hz or 400Hz Sub-field Drive with Intelligent Frame Creation Pro. By using an intelligent algorithm within the picture processing based on motion detection, the best combination of frames is created to deliver ultra crisp sports, film and game action. Our VIERA LCD models use 100Hz Intelligent Frame Creation for the same smoothing effect.

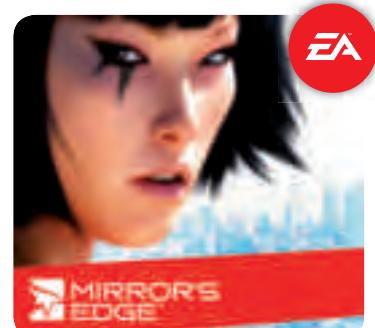
Superior Pictures

To achieve the most vibrant and smoothest pictures, VIERA features a unique combination of advanced components that have been specially designed to enhance the image quality at every level.

ULTRA-FAST RESPONSE As VIERA Plasma panels are more efficient than conventional TVs, you can enjoy an ultra-fast response time of only 0.001 millisecond, which is a thousand times faster than other technologies. Thanks to the built-in Game Mode you can enjoy latest exciting games such as the newest action adventure hit "Mirror's Edge" by Electronic Arts on a VIERA Plasma TV.

PURE BLACK AND BRIGHT WHITE VIERA NeoPDP achieves an outstanding dynamic contrast ratio of over 2 Million:1 to deliver the deepest black ever. This is especially important to accurately convey even subtle differences in the blackness level. In the VIERA LCD lineup, Intelligent Scene Controller adjusts the backlight brightness according to the displayed scenes to achieve a high contrast level.

WIDE VIEWING ANGLE Whether you opt for a VIERA Plasma or LCD TV, you're ensured excellent viewing from almost any angle. Because Plasma panels are self-illuminating, images look beautiful no matter where you sit – with rich blacks and crisp colours. The wide 178° viewing angle with LCD models is thanks to the latest generation of IPS Alpha Panels – so you have a great picture whether relaxing on your sofa or in your favourite armchair.



The special Game Mode with all VIERA televisions renders 'ghost shadows' a thing of the past when playing your favourite games on the large screen TV.





Choose your VIERA NeoPDP or Plasma TV

PLASMA

Discover the beauty and breathtaking picture quality of our next-generation NeoPDP TVs, some of which also offer convenient wireless HD capability. Or opt for a Plasma model with a host of features for thrilling home entertainment.

Z1 Series

VIERA with freesat HD



54" 46"

Design and Technology Masterpiece. With Full 1080p HD wireless capability, the ultra thin Z1 NeoPDP series virtually eliminate unsightly cable clutter.

V10 Series

VIERA with freesat HD



65" 58" 50" 42"

Cutting-Edge Cinema Experience. For perfectly smooth movie images, 24p Smooth Film technology is standard on all V10 Plasma TVs. The THX certification of our V10 Plasma TVs is the perfect home cinema experience.

G15 Series

VIERA with freesat HD



46" 42"

The Internet on your TV. These NeoPDP Plasma TVs feature VIERA CAST for direct access to selected Internet content. Moreover, DLNA compatibility makes it easy to connect your TV to your PC and playback images and videos on the big screen.

G10 Series

VIERA with freesat HD



50" 46" 42"

Best for Sports, Movies and Gaming. Our 600Hz Sub-field Drive Intelligent Frame Creation technology on G10 Plasma TVs ensure super smooth moving images.

S10 Series



50" 46" 42"

Picture, Quality and SD Card Networking. Images and HD videos can be viewed easily on a big screen with the VIERA Image Viewer function. Thanks to VIERA Link you have total control over your AV devices via the VIERA remote.

X10 Series



50" 42" 37"

State-of-the-Art HD Entertainment. These HD Ready Plasma TVs offer advanced picture and sound quality for home entertainment.

Z1
SERIES
PLASMA

Design and Technology Masterpiece





WIRELESS TRANSMITTER



TUNER BOX



TX-P54Z1B

54 Inch (137cm) PLASMA Neo PDP Ultra Thin Screen with **freesat HD**

- 54 Inch (137cm) ULTRA SLIM (1 inch only on 54" model) Neo PDP
- WIRELESS HD 1080p
- 600Hz Intelligent Frame Creation PRO
- 1080 Lines Moving Picture Resolution
- V-real PRO 4 Engine
- Infinite Black Contrast
- freesat HD* Tuner Built-in
(freesat requires connection to suitable satellite dish)

- x.v. Colour**/Deep Colour
- THX Video Certification
- HDMI x 4
- 24p Smooth Cinema
- Viera Image Viewer (JPEG/AVCHD)
- Detachable Speakers
- VIERA CAST
- DLNA
- DivX Playback (DLNA/SD Card)



TX-P46Z1B

- Same as TX-P54Z1B, but 46 Inches (116 cm)

V10 SERIES PLASMA



TX-P65V10B

65 Inch (165cm) PLASMA Neo PDP Thin Screen with **freesat HD**



- 65 Inch Slim 2 Inch Neo PDP
- 600HZ Intelligent Frame Creation Pro
- 1080 Lines Moving Picture Resolution
- V-real PRO 4 Engine
- Infinite Black Contrast
- freesat HD* Tuner Built-in
(freesat requires connection to suitable satellite dish)
- DCC / x.v. Colour** / Deep Colour
- THX Video Certification
- HDMI x 4
- 24p Smooth Film

- Viera Image Viewer (JPEG/AVCHD)
- VIERA CAST
- DLNA
- DivX Playback (DLNA/SD Card)
- Eco Panel
- Tough Panel
- Up to 100,000 Hours Panel
- Eco Mode
- Lead Free Panel

TX-P58V10B

- Same as TX-P65V10B,
but 58 Inches (147cm)

TX-P50V10B

- Same as TX-P65V10B,
but 50 Inches (127cm)

TX-P42V10B

- Same as TX-P50V10B,
but 42 Inches (106 cm)

G15 SERIES

PLASMA



TX-P46G15B

46 Inch (116cm) PLASMA Neo PDP with **freesat HD**



- 46 Inch 2 Inch Neo PDP
- 600HZ Intelligent Frame Creation PRO
- 1080 Lines Moving Picture Resolution
- V-real PRO 4 Engine
- Infinite Black Contrast
- freesat HD* Tuner Built-in
(freesat requires connection to suitable satellite dish)
- x.v. Colour** / Deep Colour
- HDMI x 4
- 24p Playback

- Viera Image Viewer (JPEG/AVCHD)
- VIERA CAST
- DLNA
- DivX Playback (DLNA/SD Card)
- Eco Panel
- Tough Panel
- Up to 100,000 Hours Panel
- Eco Mode
- Lead Free Panel

TX-P42G15B

- Same as TX-P46G15B,
but 42 Inches (106 cm)

G10 SERIES

PLASMA



VIERA NeoPDP

**HD ready
1080p**



1000 h



Save



**GAME
MODE**



**HDMI
x4**



**INFINITE BLACK
2,000,000:1**



**LEAD FREE
DISPLAY**



**VIERA
TOUGH PANEL**



**VIERA
Link**



x.v.Colour digital 

Certification made
Approved product



TX-P50G10B

50 Inch (127cm) PLASMA Neo PDP

freesat HD

- 50 Inch Neo PDP
- 600HZ Intelligent Frame Creation PRO
- 1080 Lines Moving Picture Resolution
- V-real PRO 4 Engine
- Infinite Black Contrast
- freesat HD* Tuner Built-in
(freesat requires connection to suitable satellite dish)
- x.v. Colour**
- HDMI x 3

- 24p Playback
- Viera Image Viewer (JPEG/AVCHD)
- Eco Panel
- Tough Panel
- Up to 100,000 Hours Panel
- Eco Mode
- Lead Free Panel

TX-P46G10B

- Same as TX-P50G10B,
but 46 Inches (116 cm)



TX-P42G10B

- Same as TX-P50G10B,
but 42 Inches (106 cm)



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FREESAT Logo © Freesat (UK) Ltd 2009. ** x.v. Colour is a trademark.

S10 SERIES

PLASMA

X10 SERIES PLASMA



TX-P50S10B

50 Inch (127cm) PLASMA
New Generation FHD Panel

- 50 Inch New Generation Panel
- 400Hz Intelligent Frame Creation PRO
- V-real PRO 3 Engine
- 900 Lines Moving Picture Resolution
- 2,000,000:1 Dynamic Contrast Ratio
- HDMI x 3
- 24p Playback
- Viera Image Viewer (JPEG/AVCHD)
- Eco Panel
- Tough Panel
- Up to 100,000 Hours Panel
- Eco Mode
- Lead Free Panel

TX-P46S10B

- Same as TX-P50S10B, but 46 Inches (116 cm)

TX-P42S10B

- Same as TX-P50S10B, but 42 Inches (106 cm)

TX-P50X10B

50 Inch (127Cm) PLASMA
New Generation HD Ready Panel

- 50 Inch New Generation Panel
- 24p Playback
- Viera Image Viewer (JPEG)
- Eco Panel
- Tough Panel
- Up to 100,000 Hours Panel
- Eco Mode
- Lead Free Panel
- 100Hz Double Scan
- 700 Lines Moving Picture Resolution
- 2,000,000:1 Dynamic Contrast Ratio
- HDMI x 3



TX-P50X10B



TX-P50X10B

TX-P42X10B

- Same as TX-P50X10B, but 42 Inches (106 cm)

TX-P37X10B

- Same as TX-P50X10B, but 37 Inches (94cm)



TX-P42X10B

V10 Series

VIERA with freesat HD



Cutting-Edge Cinema Experience. For perfectly smooth movie images, 24p Smooth Film technology is standard on all V10 LCD TVs.

G15 Series

VIERA with freesat HD



The Internet on your TV. These LCD TV's feature VIERA CAST for direct access to selected Internet content. Moreover, DLNA compatibility makes it easy to connect your TV to your PC and playback images and videos on the big screen.

S10 Series



Picture, Quality and On Board Networking. Images and HD videos can be viewed easily on a big screen with the VIERA Image Viewer function. Thanks to VIERA Link you have total control over your AV devices via the VIERA remote.

X15 Series



Breathtaking pictures from almost any angle – this stylish HD Ready LCD TV features our unique IPS Alpha panel.

Choose your VIERA LCD TV

LCD

You are spoilt for choice when it comes to a Panasonic VIERA LCD television. Featuring a stylish design and smart networking options, they are perfect for all of your home entertainment needs.

G10 Series

VIERA with freesat HD



Best for Sports, Movies and Gaming. Our 100Hz Intelligent Frame Creation feature on G10 LCD TVs ensure super smooth moving images.

X10 Series

**State-of-the-Art HD Entertainment.**

These HD Ready LCD televisions offer advanced picture and sound quality for home entertainment.



V10 SERIES LCD



TX-L37V10B 37 Inch (94 cm v wide) Viera FHD LCD TV with freesat HD



freesat HD

- 37 Inch Full HD IPS-Alpha Panel
- Super Slim 2 Inch Deep
- freesat HD* Tuner Built-In
(freesat requires connection to suitable satellite dish)
- Viera CAST
- DLNA & DivX Playback
- Viera Image Viewer (JPEG/AVCHD)
- V-real PRO 4 engine
- 100Hz Intelligent Frame Creation with Motion Focus Technology

- Contrast 100,000:1
- Fine Black Panel
- 24p Smooth Film
- x.v. Colour with 10 Bit Panel*
- Viera Link / Eco Link
- V-audio PRO Surround
- Eco Mode
- HDMI x 4

TX-L32V10B

- Same as TX-L37V10B, but 32 Inches (80 cm V Wide)

G15

SERIES

LCD



TX-L37G15B

37 Inch (94 cm v wide) Viera LCD TV with **freesat HD**



freesat HD

- 37 Inch Full HD IPS-Alpha Panel
- freesat HD* Tuner Built-in
(freesat requires connection to suitable satellite dish)
- Viera CAST
- DLNA & DivX Playback
- Viera Image Viewer (JPEG/AVCHD)
- V-real PRO 4 engine
- 100Hz Intelligent Frame Creation with Motion Focus Technology
- Contrast 50,000:1
- Fine Black Panel
- 24p Smooth Film
- x.v. Colour with 10 Bit Panel**
- Viera Link / Eco Link
- V-audio PRO Surround
- Eco Mode
- HDMI x 4

G10 SERIES LCD



TX-L37G10B

37 Inch (94 cm v wide) Viera FHD LCD TV with



freesat HD

- 37 Inch Full HD IPS-Alpha Panel
- freesat HD* Tuner Built-in
(freesat requires connection to suitable satellite dish)
- Viera Image Viewer (JPEG/AVCHD)
- V-real PRO 4 Engine
- 100Hz Intelligent Frame Creation with Motion Focus Technology
- Contrast 50,000:1

- Fine Black Panel
- 24p Smooth Film
- x.v. Colour with 10 Bit Panel**
- Viera Link / Eco Link
- V-audio Surround
- Eco Mode
- HDMI x 4

TX-L32G10B

- Same as TX-L37G10B,
but 32 Inches (80 cm V Wide)

S10

SERIES
LCD



digital **guideplus**
Approved product

TX-L42S10B

42 INCH (106cm V Wide) Viera FHD LCD TV

- 42 Inch Full HD IPS Panel
- Viera Image Viewer (JPEG/AVCHD)
- V-real PRO 3 Engine
- Contrast 50,000:1
- 24p Playback
- Viera Link / Eco Link
- V-audio Surround
- Eco Mode
- HDMI x 3

TX-L37S10B

- Same as TX-L42S10B, but 37 Inches (94 cm V Wide)
- 37 Inch Full HD IPS-Alpha Panel
- Fine Black Panel

TX-L32S10B

- Same as TX-L42S10B, but 32 Inches (80 cm V Wide)
- 32 Inch Full HD IPS-Alpha Panel
- Fine Black Panel

X15 SERIES LCD



TX-L32X15B

32 Inch (80cm v wide) Viera HD Ready LCD TV

- 32 Inch HD Ready IPS-Alpha Panel
- Viera Image Viewer (JPEG/AVCHD)
- V-real 4 Engine
- 100Hz Intelligent Frame Creation
- Contrast 40,000:1
- Fine Black Panel
- 24p Smooth Film
- Viera Link / Eco Link
- V-audio Surround
- Eco Mode
- HDMI x 3

X10

SERIES
LCD

**VIERA****HD ready****V-real⁴
ALPHA****178°
WIDE****IMAGE VIEWER****HDMI[®]
x3****SD/HDMI
CAMERA****VIERA
Link****GAME
MODE****INTELLIGENT
SCENE
CONTROLLER****digital[✓]****GU DEplus****VIERA****HD
ready****V-real⁴
ALPHA****HDMI[®]
x1****VIERA
Link****GAME
MODE****INTELLIGENT
SCENE
CONTROLLER****digital[✓]****GU DEplus****VIERA
Link**

TX-L32X10B

32 Inch (80cm v wide)
Viera HD Ready LCD TV

- 32 Inch HD Ready IPS-Alpha Panel
- Viera Image Viewer (JPEG)
- V-real 4 Engine
- Contrast 40,000:1
- Fine Black Panel (32 Inch)
- 24p Playback
- Viera Link / Eco Link
- V-audio Surround
- Eco Mode
- HDMI x 3

TX-L26X10B

- Same as TX-L32X10B, but 26 Inches (66 cm v wide)
- 26 Inch HD Ready IPS Panel
- Contrast 30,000:1

TX-L19X10B

19 Inch (48cm v wide)
Viera HD Ready LCD TV

- 19 Inch HD Ready Panel
- Viera Image Viewer (JPEG)
- V-real 4 Engine
- 24p Playback
- Viera Link / Eco Link
- V-audio Surround
- Eco Mode
- HDMI x 1
- Available June

TX-L19X10BW

19 Inch (48cm v wide)
Viera HD Ready LCD TV

- 19 Inch HD Ready Panel
- Viera Image Viewer (JPEG)
- V-real 4 Engine
- 24p Playback
- Viera Link / Eco Link
- V-audio Surround
- Eco Mode
- HDMI x 1
- Available June

Explanation of important technologies



600Hz SUB-FIELD DRIVE WITH INTELLIGENT FRAME CREATION PRO (NEOPDP)

The internal processor creates 600 sub-fields from the initial signal input, reproducing 12 sub-fields to display 1 frame. By using an intelligent algorithm based on motion detection, the best motion flow is created to deliver the sharpest moving pictures with full detail.



400Hz SUB-FIELD DRIVE WITH INTELLIGENT FRAME CREATION PRO (PLASMA)

Based on 400Hz, the internal processor creates 400 sub-fields, from the initial signal input, reproducing 8 sub-fields to display 1 frame. By using an intelligent algorithm based on motion detection, the best combination of frames is created to deliver the sharpest moving pictures with full detail.



100Hz INTELLIGENT FRAME CREATION (LCD)

When watching fast-moving sports events or films on TV, you want to enjoy all the action without motion blur. By creating intermediate, interpolated frames and inserting them between the original frames, VIERA LCD TVs are able to deliver crystal-clear images, especially when fast motion is displayed.



100Hz DOUBLE SCAN (PLASMA)

The standard European PAL broadcast signal is 50Hz – meaning that the on-screen image on your TV is refreshed 50 times per second. VIERA Plasma TVs have a built-in 100Hz Double Scan technology which doubles the screen refresh rate, resulting in flicker-free images.



MOTION FOCUS (LCD)

Motion Focus technology lets you enjoy crisp motion or moving image parts, such as scrolling news tickers, which can sometimes be difficult to read. It works by intelligently blinking the backlight of the LCD – and is automatically triggered by the fast-moving content on the TV.



0.001 MILLISECOND RESPONSE TIME (PLASMA)

Plasma technology needs only one impulse per pixel to produce an image, resulting in a response time is only 1 millisecond. This is a thousand times faster compared to other TV technologies and makes VIERA Plasma models perfect for displaying fast-moving images.



V-REAL 4 / V-REAL PRO 4

All VIERA TVs are equipped with the Panasonic award-winning V-real picture enhancement technology which perfectly optimises the performance of the display panel – to render smooth, crystal-clear motion without compromising on delicate colours with rich graduation. Our 2009 freesat Full HD models are equipped with V-real PRO 4, while our HD ready models feature V-real 4.



WIDE VIEWING ANGLE (LCD)

Based on the next generation of Panasonic IPS Alpha panels, VIERA LCD¹⁰ provides the widest viewing angle possible with the least colour washout, even when viewed from the side.



INFINITE BLACK (NEOPDP)

VIERA NeoPDP achieves a dynamic contrast ratio of over 2,000,000:1¹¹ thanks to the optimisation of discharge driving within the cells which produces the light. By minimising residual glow and afterglow in the cells, NeoPDP delivers a pure black, Infinite black.



DYNAMIC CONTRAST RATIO OF 2,000,000:1 (PLASMA)

The incorporation of a new Real Black Drive system has led the way to achieving the staggering dynamic contrast ratio of 2,000,000:1¹² in the VIERA Plasma TV range. Pictures appear 3-dimensional and the high contrast adds more sharpness to the pictures.



INTELLIGENT SCENE CONTROLLER

This system adjusts the backlight brightness according to the scene. In dark scenes, the backlight is dimmed to reproduce deeper blacks.



24P SMOOTH FILM

For perfectly smooth movie images, 24p Smooth Film increases the number of frames displayed. In VIERA TVs, that means new frames are inserted, based on the original 24 frames of the movie source, and the frame count is increased to up to 96 frames per second.



24P PLAYBACK

In VIERA LCD TVs, every frame is shown 4 times, which increases the 24p signal to 96Hz. So you can enjoy films at their original frame rate, just as the director intended.



10-BIT PANEL (LCD)

Experience the benefits of 10 Bit processing. By using a 10-bit display panel in our high-end LCD series¹³, VIERA is capable of reproducing 64 times the number of colours reproduced by an ordinary 8-bit LCD panel.



6,144 GRADATION STEPS (NEOPDP)¹⁴

The equivalent of 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.



1080 MOTION PICTURE RESOLUTION (NEOPDP)

Based on 600Hz Sub-field Drive with Intelligent Frame Creation Pro, our latest generation of NeoPDP models achieves the highest possible motion picture resolution, according to the APDC measurement method which measures the performance of TVs in terms of motion.



GAME MODE

All of our VIERA TVs come equipped with Game Mode, which avoids time lapses by bypassing unused processing routines, speeding up the picture processing when playing your favourite games on the large screen. Enjoy real-time gaming – with what you play is what you see.



VIERA TOUGH PANEL (PLASMA)

All Panasonic VIERA Plasma TVs* are protected by a front sheet of glass that is resistant to impacts of up to four joules. This is particularly reassuring for families with small children who may otherwise inadvertently damage the screen while playing.



THX CERTIFIED⁴ DISPLAY

THX reproduces movie images exactly as the movie's creators intended them to be. In the early 1980s, 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 ambience that filmmakers intended. VIERA Z and V Series Plasma models meet the high standards set by the THX Certified Display programme.



DIGITAL CINEMA COLOUR

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



X.V. COLOUR

Digital high-definition TV broadcast transmissions are based on a set of specifications called the HDTV Standard. VIERA's large colour gamut covers 110% of the HDTV colour standard.

Sound



V-AUDIO PRO SURROUND

Expands the sound space into 3-dimensions, with additional digital reverb processing.



V-AUDIO SURROUND

Gives in-depth sound-image effect by early reflection data, based on the actual room measurement which has been generated from a digital signal processor. V-Audio Surround features the unique Panasonic digital amplifier and carbon speaker system.



V-AUDIO

Realises a spread of left-right directional sound space by using an analogue-based algorithm.

Eco-friendly



UP TO 100,000 HOURS PANEL LIFE (PLASMA)

VIERA Plasma panels are designed to provide a panel life of up to 100,000 hours, giving you years and years of superb entertainment. There is no backlight that loses brightness over time, so you can count on high-quality images for years to come.



UP TO 60,000 HOURS PANEL LIFE (LCD)

VIERA LCD displays are designed to provide a display life of up to 60,000 hours, giving you years and years of superb entertainment.



ECO MODE

When Eco Mode is activated, a photo sensor measures the ambient light conditions in the room, then the picture settings are automatically adjusted. As a result, the TV uses less power in dim lighting without any deterioration in image quality.



LEAD-FREE

Because Panasonic is committed to developing eco-friendly products, all VIERA Plasma panels are mercury- and lead-free. This reduces the impact on the environment when recycling or disposing of them in future.



ECO LINK

For 2009, VIERA Link has been further developed, providing you even more functions, including energy-saving Eco Link. All Panasonic devices that are connected to the VIERA TV will be put into stand-by mode when the TV is not in use. What's more, when playback begins on a device, any device that was previously in use automatically switches from ON to stand-by mode.



DOUBLE LUMINOUS EFFICIENCY

With the new NeoPDP panel, energy consumption has been drastically reduced. NeoPDP TVs need only half as much energy as comparable 2007 models to reproduce the same brightness level, doubling their efficiency.



VIERA CAST

VIERA Cast offers you exclusive online entertainment from providers such as EuroSport, YouTube and Google Picasa at a single touch of a button



VIERA IMAGE VIEWER: DIVX, AVCHD, AVCHD LITE

VIERA Image Viewer supports playback of AVCHD, AVCHD Lite, JPEG and DivX files. Simply insert an SD Card into the SD slot of your VIERA TV to enjoy your photos on the big screen. Note: VIERA Z1, V10 and G15 Series models support DivX, AVCHD and JPEG; G10, S10 and X15 Series models support AVCHD and JPEG; X10 and C10 Series models support JPEG.



AVCHD AND AVCHD LITE

With VIERA Image Viewer you are able to playback High Definition movies recorded on a SD Card in AVCHD and AVCHD Lite format just by simply inserting the SD card into the VIERA TV.



WIRELESS HD (Z1 SERIES)

Wireless HD⁵⁾ technology is already integrated in our high-end Z1 Series, meaning that no HDMI cables are needed to connect compatible Panasonic devices to the TV. Thanks to wireless streaming of uncompressed 1080p content and 5.1 channel surround sound directly to the VIERA TV, you have more flexibility when hanging the TV on the wall.



DIVX

DivX⁶⁾ is a video codec that was developed by DivX, Inc. based on MPEG-4 technology. It is capable of compressing long videos into relatively small data files, while preserving high image quality. VIERA enables you to directly play back DivX files from SD Card or via DLNA⁷⁾.



DLNA CERTIFIED

When you connect a PC to your VIERA TV via an Ethernet cable, you can play back movies in the MPEG-2, AVCHD and DivX formats, as well as view pictures (JPEG) stored on your computer's hard disk drive thanks to compatibility with the DLNA standard (Digital Living Network Alliance).



VIERA LINK

VIERA Link uses the control signals that are transmitted through an HDMI cable for automated functions. Just press the VIERA Link button on the VIERA TV remote to control your Panasonic AV system, including home cinema components, HD camcorder and LUMIX digital camera.



VIERA TOOLS

With the new VIERA Tools user interface, simply press a button on the remote control and icons such as the photos or movies from the menu screen. Now you can just select the one you want. This kind of easy operation means you have more fun and less hassle.

1) Not available on all models.

2) According to the VESA304-2 standard.

3) Only available on Z1, V10, G15 and G10 NeoPDP Series TVs.

4) THX and the THX logo are trademarks of THX Ltd. which may be registered in some jurisdictions. All rights reserved.

5) The WirelessHD and WiHD logo are trademarks of WirelessHD, LLC.

6) DivX[®] is a registered trademark of DivX, Inc., and is used under license.

HDMI, and the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

All other trademarks are property of the respective owners.

Specifications are subject to change without notice.

Plasma Television - Full HD

MODEL	TX-P54Z1B	TX-P46Z1B	TX-P65V10B	TX-P58V10B
TV TUNER	Tuner Integrated	Separate Tuner Box	Separate Tuner Box	Y
	DVB Digital Tuner	Y [DVB-T/FreeSAT]	Y [DVB-T/FreeSAT]	Y [DVB-T/FreeSAT]
	Tuning System	PLL Synthesizer 100-Position Auto-Search Tuner	PLL Synthesizer 100-Position Auto-Search Tuner	PLL Synthesizer 100-Position Auto-Search Tuner
	CATV Compatibility	UK	UK	UK
	Broadcast Stereo Reception	NICAM (FM)	NICAM (FM)	NICAM (FM)
	Teletext Reception	2000P Level 2.5, FASTEXT/LIST	2000P Level 2.5, FASTEXT/LIST	2000P Level 2.5, FASTEXT/LIST
	Receiving System	PAL-I, DVB-T, FreeSAT	PAL-I, DVB-T, FreeSAT	PAL-I, DVB-T, FreeSAT
	Receiving System (AV input)	PAL-525/60, SECAM, NTSC, M-NTSC	PAL-525/60, SECAM, NTSC, M-NTSC	PAL-525/60, SECAM, NTSC, M-NTSC
DISPLAY	Screen Size	54" (137 cm) Diagonal	46" (116 cm) Diagonal	65" (165 cm) Diagonal
	Screen Aspect	16 : 9 Wide	16 : 9 Wide	16 : 9 Wide
	Panel	G12 Progressive Full-HD NeoPDP (Plasma Display Panel)		
	Viewing Angle	Viewing Angle Free	Viewing Angle Free	Viewing Angle Free
	Response Speed	0.001 msec. (Time of discharge after the drive pulse signal of the panel is sent.)		
	Natural Vision Filter	Y	Y	Y (PRO)
	Progressive Scan	Y	Y	Y
	Number of Pixels	2,073,600 (1,920 x 1,080) pixels	2,073,600 (1,920 x 1,080) pixels	2,073,600 (1,920 x 1,080) pixels
	Applicable PC signals	VGA, WVGA, SVGA, XGA, WXGA, SXGA 60Hz, 1920 x 1080		
	Applicable Scanning Format	525 (480)/60i, 525 (480)/60p, 625 (576)/50i, 625 (576)/50p, 750 (720)/50p, 750 (720)/60p, 1125 (1080)/50i, 1125 (1080)/60i, 1125 (1080)/24p (HDMI only), 1125 (1080)/50p (HDMI only), 1125 (1080)/60p (HDMI only)		
	Contrast Ratio (in dark surroundings)	Dynamic: Infinite Black/Over 2,000,000:1; Native: 40,000:1		
	Moving Picture Resolution	1080 Lines	1080 Lines	1080 Lines
	Intelligent Frame Creation Pro	600 Hz Sub Field Drive	600 Hz Sub Field Drive	600 Hz Sub Field Drive
	100 Hz Double Scan	Y	Y	Y
	24p Smooth Film	Y	Y	Y
	24p Playback	Y	Y	Y
	Digital Cinema Colour	—	—	Y
	Shades of Gradation	6,144 Equivalent Steps Of Gradation	6,144 Equivalent Steps Of Gradation	6,144 Equivalent Steps Of Gradation
	Deep Colour (10/12-bit)	Y	Y	Y
	x.v. Colour	Y	Y	Y
	THX Mode	Y	Y	Y
	Digital Optimiser	Y	Y	Y
	3D Colour Management	Y	Y	Y
	Sub Pixel Control	Y	Y	Y
	Picture Overscan	Y	Y	Y
	Motion Pattern Noise Reduction	Y	Y	Y
	Video Noise Reduction	Y	Y	Y
	3D Comb Filter	Y	Y	Y
	Picture Mode	Dynamic/Normal/Cinema/Game	Dynamic/Normal/Cinema/Game	Dynamic/Normal/Cinema/Game
	Vreal	Vreal Pro 4	Vreal Pro 4	Vreal Pro 4
SOUND	Speaker System	Side (Detachable)	Side (Detachable)	Bottom Speaker
	Speakers	Woofer (20 x 3.5 cm) x 2, Tweeter (10 x 2.3 cm) x 2	Woofer (20 x 3.5 cm) x 2, Tweeter (10 x 2.3 cm) x 2	Full-Range (14 x 3.5 cm) x 2 (L,R)
	Audio Output	20 W (3 W + 7W) x 2, 10% THD	20 W (3 W + 7W) x 2, 10% THD	20 W (10 W x 2), 10% THD
	Sound Mode	Music/Speech	Music/Speech	Music/Speech
	Surround	V-Audio ProSurround	V-Audio ProSurround	V-Audio ProSurround
INPUT/OUTPUT	Dolby Digital Out	Dolby Digital Plus	Dolby Digital Plus	Dolby Digital Plus
	CI (Common Interface)*	Y	Y	Y
	VIERA Image Viewer	Y (AVCHD/DivX/JPEG playback)	Y (AVCHD/DivX/JPEG playback)	Y (AVCHD/DivX/JPEG playback)
	HDMI Input	Input: 4 (1 monitor, 3 tuner); Output: 1 [tuner] [ver. 1.3 with Deep Colour & x.v.Colour]		
	Composite Video Input	AV3: RCA Phono Type x 1 [tuner]	AV3: RCA Phono Type x 1 [tuner]	AV3: RCA Phono Type x 1 [side]
	S-Video Input	AV3: Mini DIN 4-Pin [tuner]	AV3: Mini DIN 4-Pin [tuner]	AV3: Mini DIN 4-Pin [side]
	Audio Input (for Video)	AV3: RCA Phono Type Connectors (L, R) (1 set, tuner)	AV3: RCA Phono Type Connectors (L, R) (1 set, tuner)	AV3: RCA Phono Type Connectors (L, R) (1 set, side)
	Component Video Input	RCA Phono Type x 3 (Y, PB, PR) [tuner]	RCA Phono Type x 3 (Y, PB, PR) [tuner]	RCA Phono Type x 3 (Y, PB, PR) [rear]
	PC Input	Mini D-Sub 15-Pin x 1 [tuner]	Mini D-Sub 15-Pin x 1 [tuner]	Mini D-sub 15-pin x 1 [rear]
	Audio Input (for HDMI, PC, Component)	RCA Phono Type Connectors (L, R) x 2 Sets (tuner rear x 1 set, front x 1 set)		
FEATURES	21-Pin Input/Output	AV1: AV In/Out RGB In Q-Link [tuner] • AV2: AV In/Out S-Video In RGB In Q-Link [tuner]		
	LAN Port	Y (tuner)	Y (tuner)	Y
	Monitor Out	RCA Phono Type Connectors (L, R) (1 set tuner)	RCA Phono Type Connectors (L, R) (1 set tuner)	RCA Phono Type Connectors (L, R) (1 set rear)
	Audio Output	Headphone Jack (1 tuner)	Headphone Jack (1 tuner)	Headphone Jack (1 side)
	Digital Audio Output (Optical)	Y (tuner)	Y (tuner)	Y (tuner)
	EPG	Y	Y	Y
	WirelessHD™	Y	—	—
	VIERA Cast	Y	Y	Y
	Remote Controller	RF	RF	IR
	VIERA Tools	Y	Y	Y
GENERAL	DLNA & DivX	Y	Y	Y
	VIERA Link	Y (HDAVI Control 4)	Y (HDAVI Control 4)	Y (HDAVI Control 4)
	Screen Saver	Wobbling	Wobbling	Wobbling
	Multi Window	PIP/PAP/PAT	PIP/PAP/PAT	PIP/PAP/PAT
	Eco Mode**	Y	Y	Y
	Game Mode	Y	Y	Y
	Q-Link	Y	Y	Y
	Aspect Controls	Auto/16:9/14:9/Just/4:3/Zoom1/Zoom2/Zoom3	Auto/16:9/14:9/Just/4:3/Zoom1/Zoom2/Zoom3	Auto/16:9/14:9/Just/4:3/Zoom1/Zoom2/Zoom3
	On-Screen Display Languages	English	English	English
	Hold	Y	Y	Y
INCLUDED ACCESSORIES	Off Timer	Y	Y	Y
	Child Lock	Y	Y	Y
	Power Save Mode	Y	Y	Y
	Power Supply	AC 220 - 240 V, 50/60Hz	AC 220 - 240 V, 50/60Hz	AC 220 - 240 V, 50/60Hz
	Rated Power Consumption	—	—	—
	On Mode Average Power Consumption***	—	—	—
	Standby Power Consumption	—	—	—
	Dimensions W/0 stand (W x H x D)	With Speakers: 1,428 x 819.2 x 25.7 mm; W/O Speakers: 1,302 x 819.2 x 24.7 mm	With Speakers: 1,249 x 718.7 x 48.5 mm; W/O Speakers: 1,123 x 718.7 x 48.5 mm (Depth 24.7 mm; exclusive of protruding portion)	—
	Dimensions with stand (W x H x D)	With Speakers: 1,428 x 892.7 x 378.3 mm; W/O Speakers: 1,302 x 892.7 x 378.3 mm	With Speakers: 1,249 x 805 x 378.3 mm; W/O Speakers: 1,123 x 805 x 378.3 mm	—
	Weight W/0 stand	With Speakers: W/O Speakers:	With Speakers: W/O Speakers:	—
	Weight with stand	With Speakers: W/O Speakers:	With Speakers: W/O Speakers:	—
	Swivel Angle	—	±10°	—
	Operating Temperature	0°C - 35°C	0°C - 35°C	0°C - 35°C
INCLUDED ACCESSORIES	Wireless Transmitter - Dimensions (W x H x D)	190 x 69 x 69.7 mm		
	Wireless Receiver - Dimensions (W x H x D)	With Bracket: 146 x 132.7 x 46 mm; W/O Bracket: 100 x 120 x 25 mm		
	Tuner Box - Dimensions (W x H x D)	430 x 59 x 248.4 mm		

* Common Interface Terminal to accommodate Conditional Access Module for additional Digital services i.e. Top-Up TV

** Contrast Automatic Tracking System

*** Based on IEC 62087 Ed.2 measurement method.

Plasma Television - Full HD

MODEL	TX-P50V10B	TX-P42V10B	TX-P46G15B	TX-P42G15B
TV TUNER	Tuner Integrated	Y	Y	Y
	DVB Digital Tuner	Y [DVB-T/FreeSAT]	Y [DVB-T/FreeSAT]	Y [DVB-T/FreeSAT]
	Tuning System	PLL Synthesizer 100-Position Auto-Search Tuner	PLL Synthesizer 100-Position Auto-Search Tuner	PLL Synthesizer 100-Position Auto-Search Tuner
	CATV Compatibility	UK	UK	UK
	Broadcast Stereo Reception	NICAM (FM)	NICAM (FM)	NICAM (FM)
	Teletext Reception	2000P Level 2.5, FASTEXT/LIST	2000P Level 2.5, FASTEXT/LIST	1500P Level 2.5, FASTEXT/LIST
	Receiving System	PAL-I, DVB-T, FreeSAT	PAL-I, DVB-T, FreeSAT	PAL-I, DVB-T, FreeSAT
	Receiving System (AV input)	PAL-S25/60, SECAM, NTSC, M-NTSC	PAL-S25/60, SECAM, NTSC, M-NTSC	PAL-S25/60, SECAM, NTSC, M-NTSC
DISPLAY	Screen Size	50" (127 cm) Diagonal	42" (106 cm) Diagonal	46" (116 cm) Diagonal
	Screen Aspect	16 : 9 Wide	16 : 9 Wide	16 : 9 Wide
	Panel	< G12 Progressive Full-HD NeoPOP (Plasma Display Panel)	0.001 msec. (Time of discharge after the drive pulse signal of the panel is sent.)	>
	Viewing Angle	Viewing Angle Free	Viewing Angle Free	Viewing Angle Free
	Response Speed	< 0.001 msec. (Time of discharge after the drive pulse signal of the panel is sent.)	>	
	Natural Vision Filter	Y (PRO)	Y (PRO)	Y
	Progressive Scan	Y	Y	Y
	Number of Pixels	2,073,600 (1,920 x 1,080) Pixels	2,073,600 (1,920 x 1,080) pixels	2,073,600 (1,920 x 1,080) pixels
	Applicable PC signals	< VGA, WVGA, SVGA, XGA, WXGA, SXGA 60Hz, 1920 x 1080	>	
	Applicable Scanning Format	< 525 (480)/60i, 525 (480)/60p, 625 (576)/50i, 625 (576)/50p, 750 (720)/50p, 750 (720)/60p, 1125 (1080)/50i, 1125 (1080)/60i, 1125 (1080)/24p (HDMI only), 1125 (1080)/50p (HDMI only), 1125 (1080)/60p (HDMI only)	>	
	Contrast Ratio (in dark surroundings)	< Dynamic: Infinite Black/Over 2,000,000:1; Native: 40,000:1	>	
	Moving Picture Resolution	1080 Lines	1080 lines	1080 lines
	Intelligent Frame Creation Pro	600 Hz Sub Field Drive	600 Hz Sub Field Drive	600 Hz Sub Field Drive
	100 Hz Double Scan	Y	Y	Y
	24p Smooth Film	Y	Y	—
	24p Playback	Y	Y	Y
	Digital Cinema Colour	Y	Y	—
	Shades of Gradation	6,144 Equivalent Steps of Gradation	6,144 Equivalent Steps of Gradation	6,144 Equivalent Steps of Gradation
	Deep Colour (10/12-bit)	Y	Y	Y
SOUND	x.v. Colour	Y	Y	Y
	THX Mode	Y	Y	—
	Digital Optimiser	Y	Y	Y
	3D Colour Management	Y	Y	Y
	Sub Pixel Control	Y	Y	Y
	Picture Overscan	Y	Y	Y
	Motion Pattern Noise Reduction	Y	Y	Y
	Video Noise Reduction	Y	Y	Y
INPUT/OUTPUT	3D Comb Filter	Y	Y	Y
	Picture Mode	Dynamic/Normal/Cinema/Game	Dynamic/Normal/Cinema/Game	Dynamic/Normal/Cinema/Game
	Vreal	Vreal Pro 4	Vreal Pro 4	Vreal Pro 4
	Speaker System	Bottom Speaker	Bottom Speaker	Bottom Speaker
	Speakers	Full-Range (14 x 3.5 cm) x 2 (L,R)	Full-Range (14 x 3.5 cm) x 2 (L,R)	Full-Range (14 x 3.5 cm) x 2 (L,R)
	Audio Output	20 W (10 W x 2), 10% THD	20 W (10 W x 2), 10% THD	20 W (10 W x 2), 10% THD
	Sound Mode	Music/Speech	Music/Speech	Music/Speech
	Surround	V-Audio ProSurround	V-Audio ProSurround	V-Audio ProSurround
FEATURES	Dolby Digital Out	Dolby Digital Plus	Dolby Digital Plus	Dolby Digital Plus
	CI (Common Interface)*	Y	Y	Y
	VIERA Image Viewer	Y [AVCHD/DivX/JPEG playback]	Y [AVCHD/DivX/JPEG playback]	Y [AVCHD/DivX/JPEG playback]
	HDMI Input	4 (1 side, 3 rear) [ver. 1.3 with Deep Colour & x.v.Colour]	4 (1 side, 3 rear) [ver. 1.3 with Deep Colour & x.v.Colour]	4 (1 side, 3 rear) [ver. 1.3 with Deep Colour & x.v.Colour]
	Composite Video Input	AV3: RCA Phono Type x 1 (side)	AV3: RCA Phono Type x 1 (side)	AV3: RCA Phono Type x 1 (side)
	S-Video Input	AV3: Mini DIN 4-Pin (side)	AV3: Mini DIN 4-pin (side)	AV3: Mini DIN 4-Pin (side)
	Audio Input (for Video)	AV3: RCA Phono Type Connectors (L, R) (1 set, side)	AV3: RCA Phono Type Connectors (L, R) (1 set, side)	AV3: RCA Phono Type Connectors (L, R) (1 set, side)
	Component Video Input	RCA Phono Type x 3 (Y, PB, PR) (rear)	RCA Phono Type x 3 (Y, PB, PR) (rear)	RCA Phono Type x 3 (Y, PB, PR) (rear)
	PC Input	Mini D-Sub 15-Pin x 1 (rear)	Mini D-Sub 15-Pin x 1 (rear)	Mini D-sub 15-pin x 1 (rear)
	Audio Input (for HDMI, PC, Component)	< RCA Phono Type Connectors (L, R) x 2 Sets (tuner rear x 1 set, front x 1 set)	>	
	21-Pin Input/Output	AV1: AV In/Out, RGB In, Q-Link (rear) AV2: AV In/Out, S-Video In, RGB In, Q-Link (rear)	AV1: AV In/Out, RGB In, Q-Link (rear) AV2: AV In/Out, S-Video In, RGB In, Q-Link (rear)	AV1: AV In/Out, RGB In, Q-Link (rear) AV2: AV In/Out, S-Video In, RGB In, Q-Link (rear)
	LAN Port	Y	Y	Y
GENERAL	Monitor Out	RCA Phono Type Connectors (L, R) (1 set rear)	RCA Phono Type Connectors (L, R) (1 set rear)	RCA Phono Type Connectors (L, R) (1 set rear)
	Audio Output	Headphone Jack (1 side)	Headphone Jack (1 side)	Headphone Jack (1 side)
	Digital Audio Output (Optical)	Y	Y	Y
	EPG	Y	Y	Y
	WirelessHD™	—	—	—
	VIERA Cast	Y	Y	Y
	Remote Controller	IR	IR	IR
	VIERA Tools	Y	Y	Y
	DLNA & DivX	Y	Y	Y
	VIERA Link	Y [HDAVI Control 4]	Y [HDAVI Control 4]	Y [HDAVI Control 4]
	Screen Saver	Wobbling	Wobbling	Wobbling
	Multi Window	PIP/PAP/PAT	PAT	PAT
GENERAL	Eco Mode**	Y	Y	Y
	Game Mode	Y	Y	Y
	Q-Link	Y	Y	Y
	Aspect Controls	Auto/16:9/14:9/Just/4:3/Zoom1/Zoom2/Zoom3	Auto/16:9/14:9/Just/4:3/Zoom1/Zoom2/Zoom3	Auto/16:9/14:9/Just/4:3/Zoom1/Zoom2/Zoom3
	On-Screen Display Languages	English	English	English
	Hold	Y	Y	Y
	Off Timer	Y	Y	Y
	Child Lock	Y	Y	Y
	Power Save Mode	Y	Y	Y
	Power Supply	AC 220 - 240 V, 50/60Hz	AC 220 - 240 V, 50/60Hz	AC 220 - 240 V, 50/60Hz
	Rated Power Consumption	—	—	—
	On Mode Average Power Consumption***	—	—	—
GENERAL	Standby Power Consumption	—	—	—
	Dimensions W/O stand (W x H x D)	1,241 x 774 x 83.5 mm (Panel depth: 54.8 mm)	1,052 x 668 x 83.5 mm (Panel depth: 54.8 mm)	1,132 x 722 x 97 mm
	Dimensions with stand (W x H x D)	1,241 x 818 x 401 mm	1,052 x 709 x 332 mm	1,132 x 765 x 401 mm
	Weight W/O stand	34.0 kg	27.0 kg	—
	Weight with stand	36.0 kg	29.0 kg	—
	Swivel Angle	±10°	±15°	±10°
	Operating Temperature	0°C - 35°C	0°C - 35°C	0°C - 35°C

* Common Interface Terminal to accommodate Conditional Access Module for additional Digital services i.e. Top-Up TV

** Contrast Automatic Tracking System

*** Based on IEC 62087 Ed.2 measurement method.

Plasma Television - Full HD

MODEL	TX-P50G10B	TX-P46G10B	TX-P42G10B	TX-P50S10B
TV TUNER	Tuner Integrated	Y	Y	Y
	DVB Digital Tuner	Y [DVB-T/FreeSAT]	Y [DVB-T/FreeSAT]	Y [DVB-T]
	Tuning System	PLL Synthesizer 100-Position Auto-Search Tuner	PLL synthesizer 100-position auto-search tuner	PLL synthesizer 100-position auto-search tuner
	CATV Compatibility	UK	UK	UK
	Broadcast Stereo Reception	NICAM (FM)	NICAM (FM)	NICAM (FM)
	Teletext Reception	1500P Level 2.5, FASTEXT/LIST	1500P Level 2.5, FASTEXT/LIST	1500P Level 2.5, FASTEXT/LIST
	Receiving System	PAL-I, DVB-T, FreeSAT	PAL-I, DVB-T, FreeSAT	PAL-I, DVB-T
	Receiving System (AV input)	PAL-S25/60, SECAM, NTSC, M-NTSC	PAL-S25/60, SECAM, NTSC, M-NTSC	PAL-S25/60, SECAM, NTSC, M-NTSC
DISPLAY	Screen Size	50" (127 cm) Diagonal	46" (116 cm) Diagonal	42" (106 cm) Diagonal
	Screen Aspect	16 : 9 Wide	16 : 9 Wide	16 : 9 Wide
	Panel	< G12 Progressive Full-HD NeoPDP (Plasma Display Panel) >		
	Viewing Angle	Viewing Angle Free	Viewing Angle Free	Viewing Angle Free
	Response Speed	< 0.001 msec. (Time of discharge after the drive pulse signal of the panel is sent.) >		
	Natural Vision Filter	Y	Y	AR
	Progressive Scan	Y	Y	Y
	Number of Pixels	2,073,600 (1,920 x 1,080) pixels	2,073,600 (1,920 x 1,080) pixels	2,073,600 (1,920 x 1,080) pixels
	Applicable PC signals	< VGA, WVGA, SVGA, XGA, WXGA, SXGA 60Hz, 1920 x 1080 >		
	Applicable Scanning Format	< 525 (480)/60i, 525 (480)/60p, 625 (576)/50i, 625 (576)/50p, 750 (720)/60p, 750 (720)/50i, 1125 (1080)/50i, 1125 (1080)/60i, 1125 (1080)/24p (HDMI only), 1125 (1080)/50p (HDMI only), 1125 (1080)/60p (HDMI only) >		
	Contrast Ratio (in dark surroundings)	< Dynamic: Infinite Black/Over 2,000,000:1; Native: 40,000:1 >		Dynamic: 2,000,000:1; Native: 30,000:1
	Moving Picture Resolution	1080 lines	1080 lines	900 lines
	Intelligent Frame Creation Pro	600 Hz Sub Field Drive	600 Hz Sub Field Drive	400 Hz Sub Field Drive
	100 Hz Double Scan	Y	Y	Y
	24p Smooth Film	—	—	—
	24p Playback	Y	Y	Y
	Digital Cinema Colour	—	—	—
	Shades of Gradation	6,144 Equivalent Steps of Gradation	6,144 Equivalent Steps of Gradation	6,144 Equivalent Steps of Gradation
	Deep Colour (10/12-bit)	—	—	—
	x.v. Colour	Y	Y	Y
	THX Mode	—	—	—
SOUND	Digital Optimiser	Y	Y	Y
	3D Colour Management	Y	Y	Y
	Sub Pixel Control	Y	Y	Y
	Picture Overscan	Y	Y	Y
	Motion Pattern Noise Reduction	Y	Y	Y
	Video Noise Reduction	Y	Y	Y
INPUT/OUTPUT	3D Comb Filter	Y	Y	Y
	Picture Mode	Dynamic/Normal/Cinema/Game	Dynamic/Normal/Cinema/Game	Dynamic/Normal/Cinema/Game
	Vreal	Vreal Pro 4	Vreal Pro 4	Vreal Pro 3
	Speaker System	Bottom Speaker	Bottom Speaker	Bottom Speaker
	Speakers	Full-Range (16 x 4 cm) x 2 (L,R)	Full-Range (16 x 4 cm) x 2 (L,R)	Full-Range (16 x 4 cm) x 2 (L,R)
	Audio Output	20 W (10 W x 2), 10% THD	20 W (10 W x 2), 10% THD	20 W (10 W x 2), 10% THD
FEATURES	Sound Mode	Music/Speech	Music/Speech	Music/Speech
	Surround	V-Audio Surround	V-Audio Surround	V-Audio Surround
	Dolby Digital Out	Dolby Digital Plus	Dolby Digital Plus	Y
	CI (Common Interface)*	Y	Y	Y
	VIERA Image Viewer	Y [AVCHD/JPEG playback]	Y [AVCHD/JPEG playback]	Y [AVCHD/JPEG playback]
	HDMI Input	3 (1 side, 2 rear) [ver. 1.3 with x.v.Colour]	3 (1 side, 2 rear) [ver. 1.3 with x.v.Colour]	3 (1 side, 2 rear) [ver. 1.3 with x.v.Colour]
	Composite Video Input	AV3: RCA Phono Type x 1 (side)	AV3: RCA Phono Type x 1 (side)	AV3: RCA Phono Type x 1 (side)
	S-Video Input	AV3: Mini DIN 4-Pin (side)	AV3: Mini DIN 4-Pin (side)	AV3: Mini DIN 4-Pin (side)
	Audio Input (for Video)	AV3: RCA Phono Type Connectors (L, R) [1 set, side]	AV3: RCA Phono Type Connectors (L, R) [1 set, side]	AV3: RCA Phono Type Connectors (L, R) [1 set, side]
	Component Video Input	RCA Phono Type x 3 [Y, PB, PR] (rear)	RCA Phono Type x 3 [Y, PB, PR] (rear)	RCA Phono Type x 3 [Y, PB, PR] (rear)
GENERAL	PC Input	Mini D-Sub 15-Pin x 1 (rear)	Mini D-Sub 15-Pin x 1 (rear)	Mini D-Sub 15-Pin x 1 (rear)
	Audio Input (for HDMI, PC, Component)	< RCA Phono Type Connectors (L, R) x 2 Sets (tuner rear x 1 set, front x 1 set) >		
	21-Pin Input/Output	AV1: AV In/Out, RGB In, Q-Link (rear) AV2: AV In/Out, S-Video In, RGB In, Q-Link (rear)	AV1: AV In/Out, RGB In, Q-Link (rear) AV2: AV In/Out, S-Video In, RGB In, Q-Link (rear)	AV1: AV In/Out, RGB In, Q-Link (rear) AV2: AV In/Out, S-Video In, RGB In, Q-Link (rear)
	LAN Port	Y	Y	—
	Monitor Out	RCA Phono Type Connectors (L, R) [1 set rear]	RCA Phono Type Connectors (L, R) [1 set rear]	RCA Phono Type Connectors (L, R) [1 set rear]
	Audio Output	Headphone Jack (1 side)	Headphone Jack (1 side)	Headphone Jack (1 side)
	Digital Audio Output (Optical)	Y	Y	Y
	EPG	Y	Y	Y
	WirelessHD™	—	—	—
	VIERA Cast	—	—	—
FEATURES	Remote Controller	IR	IR	IR
	VIERA Tools	Y	Y	Y
	DLNA & DivX	—	—	—
	VIERA Link	Y [HDAVI Control 4]	Y [HDAVI Control 4]	Y [HDAVI Control 4]
	Screen Saver	Wobbling	Wobbling	Wobbling
	Multi Window	PAT	PAT	PAT
	Eco Mode**	Y	Y	Y
	Game Mode	Y	Y	Y
	Q-Link	Y	Y	Y
	Aspect Controls	Auto/16:9/14:9/Just/4:3/Zoom1/Zoom2/Zoom3	Auto/16:9/14:9/Just/4:3/Zoom1/Zoom2/Zoom3	Auto/16:9/14:9/Just/4:3/Zoom1/Zoom2/Zoom3
GENERAL	On-Screen Display Languages	English	English	English
	Hold	Y	Y	Y
	Off Timer	Y	Y	Y
	Child Lock	Y	Y	Y
	Power Save Mode	Y	Y	Y
	Power Supply	AC 220 - 240 V, 50/60Hz	AC 220 - 240 V, 50/60Hz	AC 220 - 240 V, 50/60Hz
	Rated Power Consumption	435 W	410 W	350 W
	On Mode Average Power Consumption***	280 W	240 W	200 W
	Standby Power Consumption	0.4 W	0.4 W	0.4 W
	Dimensions W/0 stand (W x H x D)	1,218 x 769 x 106 mm	1,132 x 722 x 106 mm	1,029 x 661 x 106 mm
	Dimensions with stand (W x H x D)	1,218 x 814 x 401 mm	1,132 x 767 x 401 mm	1,029 x 704 x 334 mm
	Weight W/0 stand	32.0 kg	29.0 kg	25.0 kg
	Weight with stand	35.0 kg	32.0 kg	28.0 kg
	Swivel Angle	±10°	±10°	±15°
	Operating Temperature	0°C - 35°C	0°C - 35°C	0°C - 35°C

* Common Interface Terminal to accommodate Conditional Access Module for additional Digital services i.e. Top-Up TV

** Contrast Automatic Tracking System

*** Based on IEC 62087 Ed.2 measurement method.

Plasma Television - Full HD

Plasma Television - HD Ready

MODEL	TX-P46S10B	TX-P42S10B	TX-P50X10B	TX-P42X10B	TX-P37X10B
TV TUNER	Tuner Integrated	Y	Y	Y	Y
	DVB Digital Tuner	Y [DVB-T]	Y [DVB-T]	Y [DVB-T]	Y [DVB-T]
	Tuning System	PLL Synthesizer 100-Position Auto-Search Tuner	PLL Synthesizer 100-Position Auto-Search Tuner	PLL Synthesizer 100-Position Auto-Search Tuner	PLL Synthesizer 100-Position Auto-Search Tuner
	CATV Compatibility	UK	UK	UK	UK
	Broadcast Stereo Reception	NICAM (FM)	NICAM (FM)	NICAM (FM)	NICAM (FM)
	Teletext Reception	1000P Level 2.5, FASTEXT/LIST	1000P Level 2.5, FASTEXT/LIST	1000P Level 2.5, FASTEXT/LIST	1000P Level 2.5, FASTEXT/LIST
	Receiving System	PAL-I, DVB-T	PAL-I, DVB-T	PAL-I, DVB-T	PAL-I, DVB-T
	Receiving System (AV input)	PAL-525/60, SECAM, NTSC, M-NTSC	PAL-525/60, SECAM, NTSC, M-NTSC	PAL-525/60, SECAM, NTSC, M-NTSC	PAL-525/60, SECAM, NTSC, M-NTSC
DISPLAY	Screen Size	46" (116 cm) Diagonal	42" (106 cm) Diagonal	50" (127 cm) Diagonal	42" (106 cm) Diagonal
	Screen Aspect	16 : 9 Wide	16 : 9 Wide	16 : 9 Wide	16 : 9 Wide
	Panel	← G12 Progressive Full-HD Plasma Display Panel →	G12 Progressive HD Plasma Display Panel	G12 Progressive HD Plasma Display Panel	G12 Progressive HD Plasma Display Panel
	Viewing Angle	Viewing Angle Free	Viewing Angle Free	Viewing Angle Free	Viewing Angle Free
	Response Speed	← 0.001 msec. (Time of discharge after the drive pulse signal of the panel is sent.) →			
	Natural Vision Filter	AR	AR	AR	AR
	Progressive Scan	Y	Y	Y	Y
	Number of Pixels	2,073,600 (1,920 x 1,080) pixels	2,073,600 (1,920 x 1,080) pixels	1,049,088 (1,366 x 768) pixels	786,432 (1,024 x 768) pixels
	Applicable PC signals	← VGA, WVGA, SVGA, XGA, WXGA, SXGA 60Hz, 1920 x 1080 →	← VGA, WVGA, SVGA, XGA, WXGA, SXGA 60Hz →	VGA, WVGA, SVGA, XGA, WXGA, SXGA 60Hz	VGA, WVGA, SVGA, XGA, WXGA, SXGA 60Hz
	Applicable Scanning Format	← 525 (480)/60i, 525 (480)/60p, 625 (576)/50i, 625 (576)/50p, 750 (720)/50p, 750 (720)/60p, 1125 (1080)/50i, 1125 (1080)/50p, 1125 (1080)/24p →	← 525 (480)/60i, 525 (480)/60p, 625 (576)/50i, 625 (576)/50p, 750 (720)/50p, 750 (720)/60p, 1125 (1080)/50i, 1125 (1080)/50p, 1125 (1080)/24p →	1125 (1080)/50i, 1125 (1080)/50p (HDMI only), 1125 (1080)/50p (HDMI only), 1125 (1080)/60p (HDMI only)	1125 (1080)/50i, 1125 (1080)/50p (HDMI only), 1125 (1080)/60p (HDMI only)
	Contrast Ratio (in dark surroundings)	Dynamic: 2,000,000:1; Native: 30,000:1	Dynamic: 2,000,000:1; Native: 30,000:1	Dynamic: 2,000,000:1; Native: 20,000:1	Dynamic: 2,000,000:1; Native: 20,000:1
	Moving Picture Resolution	900 lines	900 lines	720 Lines	720 Lines
	Intelligent Frame Creation Pro	400 Hz Sub Field Drive	400 Hz Sub Field Drive	—	—
	100 Hz Double Scan	Y	Y	Y	Y
	24p Smooth Film	—	—	—	—
	24p Playback	Y	Y	Y	Y
	Digital Cinema Colour	—	—	—	—
	Shades of Gradation	5,120 Equivalent Steps of Gradation	5,120 Equivalent Steps of Gradation	4,096 Equivalent Steps of Gradation	4,096 Equivalent Steps of Gradation
	Deep Colour (10/12-bit)	—	—	—	—
	x.v. Colour	Y	Y	Y	Y
	THX Mode	—	—	—	—
	Digital Optimiser	Y	Y	Y	Y
	3D Colour Management	Y	Y	Y	Y
	Sub Pixel Control	Y	Y	Y	Y
	Picture Overscan	Y	Y	Y	Y
	Motion Pattern Noise Reduction	Y	Y	Y	Y
	Video Noise Reduction	Y	Y	Y	Y
	3D Comb Filter	Y	Y	Y	Y
	Picture Mode	Dynamic/Normal/Cinema/Game	Dynamic/Normal/Cinema/Game	Dynamic/Normal/Cinema/Game	Dynamic/Normal/Cinema/Game
	Vreal	Vreal Pro 3	Vreal Pro 3	Vreal 4	Vreal 4
SOUND	Speaker System	Bottom Speaker	Bottom Speaker	Bottom Speaker	Bottom Speaker
	Speakers	Full-Range (16 x 4 cm) x 2 (L,R)	Full-Range (16 x 4 cm) x 2 (L,R)	Full-Range (16 x 4 cm) x 2 (L,R)	Full-Range (16 x 4 cm) x 2 (L,R)
	Audio Output	20 W (10 W x 2), 10% THD	20 W (10 W x 2), 10% THD	20 W (10 W x 2), 10% THD	20 W (10 W x 2), 10% THD
	Sound Mode	Music/Speech	Music/Speech	Music/Speech	Music/Speech
	Surround	V-Audio Surround	V-Audio Surround	V-Audio Surround	V-Audio Surround
INPUT/OUTPUT	Dolby Digital Out	Y	Y	—	—
	CI (Common Interface)*	Y	Y	Y	Y
	VIERA Image Viewer	Y (AVCHD/JPEG playback)	Y (AVCHD/JPEG playback)	Y (JPEG playback)	Y (JPEG playback)
	HDMI Input	3 (1 side, 2 rear) [ver. 1.3 with x.v.Colour]	3 (1 side, 2 rear) [ver. 1.3 with x.v.Colour]	3 (1 side, 2 rear) [ver. 1.3 with x.v.Colour]	3 (1 side, 2 rear) [ver. 1.3 with x.v.Colour]
	Composite Video Input	AV3: RCA Phono Type x 1 (side)	AV3: RCA Phono Type x 1 (side)	AV3: RCA Phono Type x 1 (side)	AV3: RCA Phono Type x 1 (side)
	S-Video Input	AV3: Mini DIN 4-Pin (side)	AV3: Mini DIN 4-Pin (side)	AV3: Mini DIN 4-Pin (side)	AV3: Mini DIN 4-Pin (side)
	Audio Input (for Video)	AV3: RCA phono type connectors (L, R) [1 set, side]	AV3: RCA phono type connectors (L, R) [1 set, side]	AV3: RCA Phone Type Connectors (L, R) [1 set, side]	AV3: RCA Phone Type Connectors (L, R) [1 set, side]
	Component Video Input	RCA Phono Type x 3 [Y, PB, PR] (rear)	RCA Phono Type x 3 [Y, PB, PR] (rear)	RCA Phono Type x 3 [Y, PB, PR] (rear)	RCA Phono Type x 3 [Y, PB, PR] (rear)
	PC Input	Mini D-Sub 15-pin x 1 (rear)	Mini D-Sub 15-pin x 1 (rear)	Mini D-Sub 15-Pin x 1 (rear)	Mini D-Sub 15-Pin x 1 (rear)
	Audio Input (for HDMI, PC, Component)	← RCA Phono Type Connectors (L, R) x 2 Sets (tuner rear x 1 set, front x 1 set) →			
FEATURES	21-Pin Input/Output	← AV1: AV In/Out, RGB In, Q-Link (rear) • V2: AV In/Out, S-Video In, RGB In, Q-Link (rear) →			
	LAN Port	—	—	—	—
	Monitor Out	←	RCA Phono Type Connectors (L, R) [1 set rear]		
	Audio Output	Headphone Jack (1 side)	Headphone Jack (1 side)	Headphone Jack (1 side)	Headphone Jack (1 side)
	Digital Audio Output (Optical)	Y	Y	—	—
	EPG	Y	Y	Y	Y
	WirelessHD™	—	—	—	—
	VIERA Cast	—	—	—	—
GENERAL	Remote Controller	IR	IR	IR	IR
	VIERA Tools	Y	Y	Y	Y
	DLNA & DivX	—	—	—	—
	VIERA Link	Y (HDAVI Control 4)	Y (HDAVI Control 4)	Y (HDAVI Control 4)	Y (HDAVI Control 4)
	Screen Saver	Wobbling	Wobbling	Wobbling	Wobbling
	Multi Window	PAT	PAT	PAT	PAT
	Eco Mode**	Y	Y	Y	Y
	Game Mode	Y	Y	Y	Y
	Q-Link	Y	Y	Y	Y
	Aspect Controls	←	Auto/16:9/14:9/Just/4:3/Zoom1/Zoom2/Zoom3 →		
	On-Screen Display Languages	English	English	English	English
	Hold	Y	Y	Y	Y
	Off Timer	Y	Y	Y	Y
	Child Lock	Y	Y	Y	Y
	Power Save Mode	Y	Y	Y	Y
	Power Supply	AC 220 - 240 V, 50/60Hz	AC 220 - 240 V, 50/60Hz	AC 220 - 240 V, 50/60Hz	AC 220 - 240 V, 50/60Hz
	Rated Power Consumption			350 W	245 W
	On Mode Average Power Consumption***			284 W	195 W
	Standby Power Consumption			0.7 W	0.7 W
	Dimensions W/O stand (W x H x D)	1,132 x 722 x 105 mm	1,029 x 661 x 105 mm	1,218 x 769 x 105 mm	1,029 x 661 x 105 mm
	Dimensions with stand (W x H x D)	1,132 x 767 x 401 mm	1,029 x 704 x 334 mm	1,218 x 814 x 401 mm	1,029 x 704 x 334 mm
	Weight W/O stand	29.0 kg	25.0 kg	34.0 kg	26.0 kg
	Weight with stand	31.0 kg	27.0 kg	36.0 kg	28.0 kg
	Swivel Angle	—	—	—	—
	Operating Temperature	0°C - 35°C	0°C - 35°C	0°C - 35°C	0°C - 35°C

* Common Interface Terminal to accommodate Conditional Access Module for additional Digital services i.e. Top-Up TV

** Contrast Automatic Tracking System

*** Based on IEC 62087 Ed.2 measurement method.

LCD Television - Full HD

MODEL	TX-L37V10B	TX-L32V10B	TX-L37G15B	TX-L37G10B
TV TUNER	Tuner Integrated	Y	Y	Y
	DVB Digital Tuner	Y [DVB-T/FreeSAT]	Y [DVB-T/FreeSAT]	Y [DVB-T/FreeSAT]
	Tuning System	PLL Synthesizer 100-Position Auto-Search Tuner	PLL Synthesizer 100-Position Auto-Search Tuner	PLL Synthesizer 100-Position Auto-Search Tuner
	CATV Compatibility	UK	UK	UK
	Broadcast Stereo Reception	NICAM (FM)	NICAM (FM)	NICAM (FM)
	Teletext Reception	2000P FASTEXT Level 2.5	2000P FASTEXT Level 2.5	1500P FASTEXT Level 2.5
	Receiving System	PAL-I, DVB-T, FreeSAT	PAL-I, DVB-T, FreeSAT	PAL-I, DVB-T, FreeSAT
	Receiving System (AV input)	PAL-60, NTSC, M-NTSC	PAL-60, NTSC, M-NTSC	PAL-60, NTSC, M-NTSC
DISPLAY	Screen Size	37" (94 cm) Diagonal	32" (80 cm) Diagonal	37" (94 cm) Diagonal
	Screen Aspect	16 : 9 Wide	16 : 9 Wide	16 : 9 Wide
	Panel	IPS-Alpha Full-HD LCD Panel	IPS-Alpha Full-HD LCD Panel	IPS-Alpha Full-HD LCD Panel
	Fine Black Panel	Y	Y	Y
	Viewing Angle	178 Degree	178 Degree	178 Degree
	Contrast (Dynamic)	100,000:1	100,000:1	50,000:1
	Progressive Scan	Y	Y	Y
	Number of Pixels	2,073,600 (1,920 x 1,080) Pixels	2,073,600 (1,920 x 1,080) Pixels	2,073,600 (1,920 x 1,080) Pixels
	Applicable PC signals	VGA, WVGA, SVGA, XGA, WXGA, SXGA 60Hz	VGA, WVGA, SVGA, XGA, WXGA, SXGA 60Hz	VGA, WVGA, SVGA, XGA, WXGA, SXGA 60Hz
	Applicable Scanning Format	525 (480)/60i, 525 (480)/60p, 625 (576)/50i, 625 (576)/50p, 750 (720)/50p, 750 (720)/60p, 1125 (1080)/50i, 1125 (1080)/50p (HDMI only), 1125 (1080)/50p (HDMI only), 1125 (1080)/60p (HDMI only)		
	Intelligent Frame Creation	100 Hz IFC	100 Hz IFC	100 Hz IFC
	Motion Focus Technology	Y	Y	Y
	Intelligent Scene Controller	Y	Y	Y
	24p Smooth Film	Y	Y	Y
	24p Playback	Y	Y	Y
	10-bit Panel	Y	Y	Y
	x.v. Colour	Y	Y	Y
	Colour Matrix Arrangement	Y	Y	Y
	Active Colour Enhancer	Y	Y	Y
	3D Colour Management	Y	Y	Y
	Sub Pixel Control	—	—	—
	Picture Overscan	Y	Y	Y
SOUND	C.A.T.S. (Contrast Automatic Tracking System)	Y	Y	Y
	Video Noise Reduction	Y	Y	Y
	3D Comb Filter	Y	Y	Y
	Picture Mode	Dynamic/Normal/Cinema/Game	Dynamic/Normal/Cinema/Game	Dynamic/Normal/Cinema/Game
	Vreal	Vreal Pro 4	Vreal Pro 4	Vreal Pro 4
	Speaker System	Bottom Speaker	Bottom Speaker	Bottom Speaker
	Speakers	1-Way, 2-Speakers	1-Way, 2-Speakers	1-Way, 2-Speakers
	Audio Output	20 W (10 W x 2), 10% THD	20 W (10 W x 2), 10% THD	20 W (10 W x 2), 10% THD
INPUT/ OUTPUT	Sound Mode	Music/Speech	Music/Speech	Music/Speech
	Surround	V-Audio ProSurround	V-Audio ProSurround	V-Audio Surround
	Dolby Digital Out	Dolby Digital Plus	Dolby Digital Plus	Dolby Digital Plus
	CI (Common Interface)*	Y	Y	Y
	VIERA Image Viewer	Y [AVCHD/DivX/JPEG playback]	Y [AVCHD/DivX/JPEG playback]	Y [AVCHD/DivX/JPEG playback]
	HDMI Input	4 (3 rear, 1 rear bottom)	4 (3 rear, 1 rear bottom)	4 (3 rear, 1 side)
	Composite Video Input	—	—	AV3: RCA Phone Type x 1 (side)
	S-Video Input	—	—	AV3: Mini DIN 4-Pin (side)
	Audio Input (for Video)	—	—	AV3: RCA Phone Type Connectors (L, R) (1 set, side)
	Component Video Input	RCA Phone Type x 3 (Y, PB, PR) (rear)	RCA Phone Type x 3 (Y, PB, PR) (rear)	RCA Phone Type X 3 (Y, PB, PR) (rear)
	PC Input	Mini D-Sub 15-Pin x 1 (rear)	Mini D-Sub 15-Pin x 1 (rear)	Mini D-Sub 15-Pin x 1 (rear)
FEATURES	Audio Input (for HDMI, PC, Component)	RCA Phone Type Connectors (L, R) (1 set, rear)	RCA Phone Type Connectors (L, R) (1 set, rear)	RCA Phone Type Connectors (L, R) (1 set, rear)
	21-Pin Input/Output	AV1: AV In/Out, RGB In, Q-Link (rear) AV2: AV In/Out, S-Video In, RGB In, Q-Link (rear)	AV1: AV In/Out, RGB In, Q-Link (rear) AV2: AV In/Out, S-Video In, RGB In, Q-Link (rear)	AV1: AV In/Out, RGB In, Q-Link (rear) AV2: AV In/Out, S-Video In, RGB In, Q-Link (rear)
	LAN Port	Y	Y	—
	Monitor Out	RCA Phone Type Connectors (L, R) (1 set, rear)	RCA Phone Type Connectors (L, R) (1 set, rear)	RCA Phone Type Connectors (L, R) (1 set, rear)
	Audio Output	Headphone Jack (1, side)	Headphone Jack (1, side)	Headphone Jack (1, side)
	Digital Audio Output (Optical)	Y	Y	Y
	EPG	Y	Y	Y
	VIERA Cast	Y	Y	—
	DLNA & DivX	Y	Y	—
	VIERA Tools	Y	Y	Y
GENERAL	VIERA Link	Y [HDAVI Control 4]	Y [HDAVI Control 4]	Y [HDAVI Control 4]
	Multi Window	PIP/PAP/PAT	PIP/PAP/PAT	PAT
	Game Mode	Y	Y	Y
	Q-Link	Y	Y	Y
	Aspect Controls	Auto Aspect/16:9/14:9/JUST/4:3/4:3 FULL (HD signal only)/Zoom1/Zoom2/Zoom3	Auto Aspect/16:9/14:9/JUST/4:3/4:3 FULL (HD signal only)/Zoom1/Zoom2/Zoom3	Auto Aspect/16:9/14:9/JUST/4:3/4:3 FULL (HD signal only)/Zoom1/Zoom2/Zoom3
	On-Screen Display Languages	English	English	English
	Hold	Y	Y	Y
	Off Timer	Y	Y	Y
	Child Lock	Y	Y	Y
	Power Supply	AC 220 - 240 V, 50/60Hz	AC 220 - 240 V, 50/60Hz	AC 220 - 240 V, 50/60Hz
	Rated Power Consumption	—	—	161 W
	On mode Average Power Consumption**	—	—	119 W
	Standby Power Consumption	—	—	0.3 W
	Dimensions (W x H x D) (with TV stand)	896 x 648 x 287 mm	777 x 578 x 218 mm	894 x 611 x 287 mm
	Dimensions (W x H x D) (w/o TV stand)	896 x 578 x 67 mm (Panel depth: 51 mm)	777 x 511 x 67 mm (Panel depth: 51 mm)	894 x 568 x 99 mm
	Weight (with TV stand)	18.0 kg	14.5 kg	17.5 kg
	Swivel Angle	±15°	±15°	±15°
	Tilt Angle	—	—	—
	VESA Standard	Y	Y	Y
	Operating Temperature	0°C - 35°C	0°C - 35°C	0°C - 35°C

* Common Interface Terminal to accommodate Conditional Access Module for additional Digital services i.e. Top-Up TV

** Based on IEC 62087 Ed.2 measurement method.

LCD Television - Full HD

MODEL	TX-L32G10B	TX-L42S10B	TX-L37S10B	TX-L32S10B
TV TUNER	Tuner Integrated	Y	Y	Y
	DVB Digital Tuner	Y [DVB-T/FreeSAT]	Y [DVB-T]	Y [DVB-T]
	Tuning System	PLL Synthesizer 100-Position Auto-Search Tuner	PLL Synthesizer 100-Position Auto-Search Tuner	PLL Synthesizer 100-Position Auto-Search Tuner
	CATV Compatibility	UK	UK	UK
	Broadcast Stereo Reception	NICAM (FM)	NICAM (FM)	NICAM (FM)
	Teletext Reception	1500P FASTEXT Level 2.5	1000P FASTEXT Level 2.5	1000P FASTEXT Level 2.5
	Receiving System	PAL-I, DVB-T, FreeSAT	PAL-I, DVB-T	PAL-I, DVB-T
	Receiving System (AV input)	PAL-60, NTSC, M-NTSC	PAL-60, NTSC, M-NTSC	PAL-60, NTSC, M-NTSC
DISPLAY	Screen Size	32" (80 cm) Diagonal	42" (106 cm) Diagonal	37" (94 cm) Diagonal
	Screen Aspect	16 : 9 Wide	16 : 9 Wide	16 : 9 Wide
	Panel	IPS-Alpha Full-HD LCD Panel	IPS Full-HD LCD Panel	IPS-Alpha Full-HD LCD Panel
	Fine Black Panel	Y	—	Y
	Viewing Angle	178 Degree	178 Degree	178 Degree
	Contrast (Dynamic)	50,000:1	50,000:1	50,000:1
	Progressive Scan	Y	Y	Y
	Number of Pixels	2,073,600 (1,920 x 1,080) Pixels	2,073,600 (1,920 x 1,080) Pixels	2,073,600 (1,920 x 1,080) Pixels
	Applicable PC signals	VGA, WVGA, SVGA, XGA, WXGA, SXGA 60Hz	VGA, WVGA, SVGA, XGA, WXGA, SXGA 60Hz	VGA, WVGA, SVGA, XGA, WXGA, SXGA 60Hz
	Applicable Scanning Format	525 (480)/60p, 525 (480)/60p, 625 (576)/50p, 750 (720)/50p, 1125 (1080)/50p, 1125 (1080)/60p, 1125 (1080)/24p (HDMI only), 1125 (1080)/50p (HDMI only), 1125 (1080)/60p (HDMI only)	525 (480)/60p, 525 (480)/60p, 625 (576)/50p, 750 (720)/50p, 1125 (1080)/50p, 1125 (1080)/60p, 1125 (1080)/24p (HDMI only), 1125 (1080)/50p (HDMI only), 1125 (1080)/60p (HDMI only)	525 (480)/60p, 525 (480)/60p, 625 (576)/50p, 750 (720)/50p, 1125 (1080)/50p, 1125 (1080)/60p, 1125 (1080)/24p (HDMI only), 1125 (1080)/50p (HDMI only), 1125 (1080)/60p (HDMI only)
	Intelligent Frame Creation	100 Hz IFC	—	—
	Motion Focus Technology	Y	—	—
	Intelligent Scene Controller	Y	Y	Y
	24p Smooth Film	Y	—	—
	24p Playback	Y	Y	Y
	10-bit Panel	Y	—	—
	x.v. Colour	Y	—	—
	Colour Matrix Arrangement	Y	—	—
	Active Colour Enhancer	Y	—	—
	3D Colour Management	Y	Y	Y
	Sub Pixel Control	—	Y	Y
	Picture Overscan	Y	Y	Y
	C.A.T.S. (Contrast Automatic Tracking System)	Y	Y	Y
	Video Noise Reduction	Y	Y	Y
	3D Comb Filter	Y	Y	Y
	Picture Mode	Dynamic/Normal/Cinema/Game	Dynamic/Normal/Cinema/Game	Dynamic/Normal/Cinema/Game
	Vreal	Vreal Pro 4	Vreal Pro 3	Vreal Pro 3
SOUND	Speaker System	Bottom Speaker	Bottom Speaker	Bottom Speaker
	Speakers	1-way, 2-speakers	1-Way, 2-Speakers	1-Way, 2-Speakers
	Audio Output	20 W (10 W x 2), 10% THD	20 W (10 W x 2), 10% THD	20 W (10 W x 2), 10% THD
	Sound Mode	Music/Speech	Music/Speech	Music/Speech
	Surround	V-Audio Surround	V-Audio Surround	V-Audio Surround
INPUT/ OUTPUT	Dolby Digital Out	Dolby Digital Plus	Y	Y
	CI (Common Interface)*	Y	Y	Y
	VIERA Image Viewer	Y [AVCHD/JPEG playback]	Y [AVCHD/JPEG playback]	Y [AVCHD/JPEG playback]
	HDMI Input	4 (3 rear, 1 side)	3 (2 rear, 1 side)	3 (2 rear, 1 side)
	Composite Video Input	AV3: RCA Phono Type x 1 (side)	AV3: RCA Phono Type x 1 (side)	AV3: RCA Phono Type x 1 (side)
	S-Video Input	AV3: Mini DIN 4-Pin (side)	AV3: Mini DIN 4-Pin (side)	AV3: Mini DIN 4-Pin (side)
	Audio Input (for Video)	AV3: RCA Phono Type Connectors (L, R) (1 set, side)	AV3: RCA Phono Type Connectors (L, R) (1 set, side)	AV3: RCA Phono Type Connectors (L, R) (1 set, side)
	Component Video Input	RCA Phono Type x 3 (Y, PB, PR) (rear)	RCA Phono Type x 3 (Y, PB, PR) (rear)	RCA Phono Type x 3 (Y, PB, PR) (rear)
	PC Input	Mini D-Sub 15-Pin x 1 (rear)	Mini D-Sub 15-Pin x 1 (rear)	Mini D-Sub 15-Pin x 1 (rear)
	Audio Input (for HDMI, PC, Component)	RCA Phono Type Connectors (L, R) (1 set, rear)	RCA Phono Type Connectors (L, R) (1 set, rear)	RCA Phono Type Connectors (L, R) (1 set, rear)
	21-Pin Input/Output	AV1: AV In/Out, RGB In, Q-Link (rear) AV2: AV In/Out, S-Video In, RGB In, Q-Link (rear)	AV1: AV In/Out, RGB In, Q-Link (rear) AV2: AV In/Out, S-Video In, RGB In, Q-Link (rear)	AV1: AV In/Out, RGB In, Q-Link (rear) AV2: AV In/Out, S-Video In, RGB In, Q-Link (rear)
	LAN Port	—	—	—
FEATURES	Monitor Out	RCA Phono Type Connectors (L, R) (1 set, rear)	RCA Phono Type Connectors (L, R) (1 set, rear)	RCA Phono Type Connectors (L, R) (1 set, rear)
	Audio Output	Headphone Jack (1, side)	Headphone Jack (1, side)	Headphone Jack (1, side)
	Digital Audio Output (Optical)	Y	Y	Y
	EPG	Y	Y	Y
	VIERA Cast	—	—	—
	DLNA & DivX	—	—	—
	VIERA Tools	Y	Y	Y
	VIERA Link	Y [HDAVI Control 4]	Y [HDAVI Control 4]	Y [HDAVI Control 4]
	Multi Window	PAT	PAT	PAT
	Game Mode	Y	Y	Y
GENERAL	Q-Link	Y	Y	Y
	Aspect Controls	Auto Aspect/16:9/14:9/JUST/4:3/4:3 FULL (HD signal only)/Zoom1/Zoom2/Zoom3	Auto Aspect/16:9/14:9/JUST/4:3/4:3 FULL (HD signal only)/Zoom1/Zoom2/Zoom3	Auto Aspect/16:9/14:9/JUST/4:3/4:3 FULL (HD signal only)/Zoom1/Zoom2/Zoom3
	On-Screen Display Languages	English	English	English
	Hold	Y	Y	Y
	Off Timer	Y	Y	Y
	Child Lock	Y	Y	Y
	Power Supply	AC 220 - 240 V, 50/60Hz	AC 220 - 240 V, 50 Hz	AC 220 - 240 V, 50 Hz
	Rated Power Consumption	138 W		
	On mode Average Power Consumption**	100 W		
	Standby Power Consumption	0.3 W		
	Dimensions (W x H x D) (with TV stand)	777 x 641 x 217 mm	1,021 x 679 x 310 mm	915 x 620 x 287 mm
	Dimensions (W x H x D) (w/o TV stand)	777 x 501 x 95 mm	1,021 x 636 x 115 mm	915 x 577 x 97 mm
	Weight (with TV stand)	13.5 kg	TBC	15.5 kg
	Swivel Angle	±15°	—	—
	Tilt Angle	—	—	—
	VESA Standard	Y	Y	Y
	Operating Temperature	0°C - 35°C	0°C - 35°C	0°C - 35°C

* Common Interface Terminal to accommodate Conditional Access Module for additional Digital services i.e. Top-Up TV

** Based on IEC 62087 Ed.2 measurement method.

LCD Television - HD Ready

MODEL	TX-L32X15B	TX-L32X10B	TX-L26X10B	TX-L19X10B/BW
TV TUNER	Tuner Integrated	Y	Y	Y
	DVB Digital Tuner	Y [DVB-T]	Y [DVB-T]	Y [DVB-T]
	Tuning System	PLL Synthesizer 100-Position Auto-Search Tuner	PLL Synthesizer 100-Position Auto-Search Tuner	PLL Synthesizer 100-Position Auto-Search Tuner
	CATV Compatibility	UK	UK	UK
	Broadcast Stereo Reception	NICAM (FM)	NICAM (FM)	NICAM (FM)
	Teletext Reception	1000P FASTEXT Level 2.5	1000P FASTEXT Level 2.5	1000P FASTEXT Level 2.5
	Receiving System	PAL-I, DVB-T	PAL-I, DVB-T	PAL-I, DVB-T
DISPLAY	Receiving System (AV input)	PAL-60, NTSC, M-NTSC	PAL-60, NTSC, M-NTSC	PAL-60, NTSC, M-NTSC
	Screen Size	32" (80 cm) Diagonal	32" (80 cm) Diagonal	26" (66 cm) Diagonal
	Screen Aspect	16 : 9 Wide	16 : 9 Wide	16 : 10 Wide
	Panel	IPS-Alpha (WXGA) LCD Panel	IPS-Alpha (WXGA) LCD Panel	IPS (WXGA) LCD Panel
	Fine Black Panel	Y	Y	—
	Viewing Angle	178 degree	178 degree	178 Degree
	Contrast (Dynamic)	40,000:1	40,000:1	30,000:1
	Progressive Scan	Y	Y	Y
	Number of Pixels	1,049,088 (1,366 x 768) pixels	1,049,088 (1,366 x 768) pixels	1,049,088 (1,366 x 768) Pixels
	Applicable PC signals	VGA, WVGA, SVGA, XGA, WXGA, SXGA 60Hz	VGA, WVGA, SVGA, XGA, WXGA, SXGA 60Hz	VGA, WVGA, SVGA, XGA, WXGA, SXGA 60Hz
	Applicable Scanning Format	525 (480)/60, 525 (480)/60p, 625 (576)/50, 625 (576)/50p, 750 (720)/60p, 750 (720)/60, 1125 (1080)/50i, 1125 (1080)/60i, 1125 (1080)/24p (HDMI only), 1125 (1080)/50p (HDMI only), 1125 (1080)/60p (HDMI only), 1125 (1080)/50 (HDMI only), 1125 (1080)/60 (HDMI only)	525 (480)/60, 525 (480)/60p, 625 (576)/50, 625 (576)/50p, 750 (720)/60p, 750 (720)/60, 1125 (1080)/50i, 1125 (1080)/60i, 1125 (1080)/24p (HDMI only), 1125 (1080)/50p (HDMI only), 1125 (1080)/60p (HDMI only), 1125 (1080)/50 (HDMI only), 1125 (1080)/60 (HDMI only)	525 (480)/60, 525 (480)/60p, 625 (576)/50, 625 (576)/50p, 750 (720)/60p, 750 (720)/60, 1125 (1080)/50i, 1125 (1080)/60i, 1125 (1080)/24p (HDMI only), 1125 (1080)/50p (HDMI only), 1125 (1080)/60p (HDMI only), 1125 (1080)/50 (HDMI only), 1125 (1080)/60 (HDMI only)
	Intelligent Frame Creation	100 Hz IFC	—	—
	Motion Focus Technology	—	—	—
	Intelligent Scene Controller	Y	Y	Y
	24p Smooth Film	Y	—	—
	24p Playback	Y	Y	Y
	10-bit Panel	—	—	—
	x.v. Colour	—	—	—
	Colour Matrix Arrangement	Y	—	—
	Active Colour Enhancer	Y	—	—
	3D Colour Management	Y	Y	Y
	Sub Pixel Control	—	Y	Y
	Picture Overscan	Y	Y	Y
	C.A.T.S. (Contrast Automatic Tracking System)	Y	Y	Y
	Video Noise Reduction	Y	Y	Y
	3D Comb Filter	Y	Y	Y
	Picture Mode	Dynamic/Normal/Cinema/Game	Dynamic/Normal/Cinema/Game	Dynamic/Normal/Cinema/Game
	Vreal	Vreal 4	Vreal 4	Vreal 4
SOUND	Speaker System	Bottom Speaker	Bottom Speaker	Bottom Speaker
	Speakers	1-Way, 2-Speakers	1-Way, 2-Speakers	1-Way, 2-Speakers
	Audio Output	20 W (10 W x 2), 10% THD	20 W (10 W x 2), 10% THD	6 W (3 W x 2), 10% THD
	Sound Mode	Music/Speech	Music/Speech	Music/Speech
	Surround	V-Audio Surround	V-Audio Surround	V-Audio Surround
INPUT/ OUTPUT	Dolby Digital Out	Y	—	—
	CI (Common Interface)*	Y	Y	Y
	VIERA Image Viewer	Y (AVCHD/JPEG playback)	Y (JPEG playback)	Y (JPEG playback)
	HDMI Input	3 (2 rear 1 side)	3 (2 rear 1 side)	3 (2 rear 1 side)
	Composite Video Input	AV3: RCA Phono Type x 1 [side]	AV3: RCA Phono Type x 1 [side]	AV3: RCA Phono Type x 1 [side]
	S-Video Input	AV3: Mini DIN 4-Pin [side]	AV3: Mini DIN 4-Pin [side]	AV3: Mini DIN 4-Pin [side]
	Audio Input (for Video)	AV3: RCA Phono Type Connectors (L, R) (1 set, side)	AV3: RCA phono Type Connectors (L, R) (1 set, side)	AV3: RCA Phono Type Connectors (L, R) (1 set, side)
	Component Video Input	RCA Phono Type x 3 (Y, PB, PR) (rear)	RCA Phono Type x 3 (Y, PB, PR) (rear)	RCA Phono Type x 3 (Y, PB, PR) (rear)
	PC Input	Mini D-Sub 15-Pin x 1 [rear]	Mini D-Sub 15-Pin x 1 [rear]	Mini D-Sub 15-Pin x 1 [rear]
	Audio Input (for HDMI, PC, Component)	RCA Phono Type Connectors (L, R) (1 set, rear)	RCA Phono Type Connectors (L, R) (1 set, rear)	RCA Phono Type Connectors (L, R) (1 set, rear)
	21-Pin Input/Output	AV1: AV In/Out, RGB In, O-Link (rear) AV2: AV In/Out, S-Video In, RGB In, O-Link (rear)	AV1: AV In/Out, RGB In, O-Link (rear) AV2: AV In/Out, S-Video In, RGB In, O-Link (rear)	AV1: AV In/Out, RGB In, O-Link (rear) AV2: AV In/Out, S-Video In, RGB In, O-Link (rear)
	LAN Port	—	—	—
	Monitor Out	RCA Phono Type Connectors (L, R) (1 set, rear)	RCA Phono Type Connectors (L, R) (1 set, rear)	RCA Phono Type Connectors (L, R) (1 set, rear)
FEATURES	Audio Output	Headphone Jack (1, side)	Headphone Jack (1, side)	Headphone Jack (1, side)
	Digital Audio Output (Optical)	Y	—	—
	EPG	Y	Y	Y
	VIERA Cast	—	—	—
	DLNA & DivX	—	—	—
	VIERA Tools	Y	Y	Y
	VIERA Link	Y (HDAVI Control 4)	Y (HDAVI Control 4)	Y (HDAVI Control 4)
	Multi Window	PAT	PAT	PAT
	Game Mode	Y	Y	Y
	Q-Link	Y	Y	Y
GENERAL	Aspect Controls	Auto Aspect/T16:9/14:9/JUST/4:3/4.3 FULL (HD signal only)/Zoom1/Zoom2/Zoom3	Auto Aspect/T16:9/14:9/JUST/4:3/4.3 FULL (HD signal only)/Zoom1/Zoom2/Zoom3	Auto Aspect/T16:9/14:9/JUST/4:3/4.3 FULL (HD signal only)/Zoom1/Zoom2/Zoom3
	On-Screen Display Languages	English	English	English
	Hold	Y	Y	Y
	Off Timer	Y	Y	Y
	Child Lock	Y	Y	Y
	Power Supply	AC 220 - 240 V, 50 Hz	AC 220 - 240 V, 50 Hz	AC 220 - 240 V, 50/60Hz
	Rated Power Consumption			36 W
	On mode Average Power Consumption**			
	Standby Power Consumption			0.4 W
	Dimensions (W x H x D) (with TV stand)	798 x 551 x 217 mm	798 x 551 x 217 mm	644 x 474 x 217 mm
	Dimensions (W x H x D) (w/o TV stand)	798 x 510 x 93 mm	798 x 510 x 93 mm	664 x 433 x 118 mm
	Weight (with TV stand)	13 kg	13 kg	10.5 kg
	Swivel Angle	—	—	—
	Tilt Angle	—	—	Y (+??°)
	VESA Standard	Y	Y	Y
	Operating Temperature	0°C - 35°C	0°C - 35°C	0°C - 35°C

* Common Interface Terminal to accommodate Conditional Access Module for additional Digital services i.e. Top-Up TV

** Based on IEC 62087 Ed.2 measurement method.

