Panasonic

MASTERING THE MAGIC OF LIGHT AND SOUND

HOME ENTERTAINMENT SPRING 2015

VIERA

TENTATIVE

HOME ENTERTAINMENT 2015

Panasonic Home Entertainment 2015 04 – 07

VIERA TVs

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MASTERING THE MAGIC OF LIGHT AND SOUND

The Panasonic obsession with great pictures and sound reaches new heights with 2015's range of beautifully engineered hi-fi products and 4K Ultra High Definition TVs and Blu-ray players.

These are tumultuous times in the home entertainment world, as new picture and sound technologies revolutionise both the quality and delivery of the content we watch or listen to.

Films and TV shows are increasingly being made and delivered in 4K Ultra High Definition, giving you four times the resolution of normal Full HD. Music is starting to appear in CD-beating, high-resolution formats, and can also now be sent wirelessly all over your home. The traditional disc and broadcast content options are being joined by a huge surge in the popularity of streaming music and video over the Internet. Although this is all great news for consumers on one level, it also introduces new buying challenges as people try to figure out which products make the most of this brave new world of high-definition, easy-access content; which is where the 2015 Panasonic home entertainment range comes in.

As well as striving to integrate both 'traditional' (Blu-ray, CDs, FM radio) and new (Bluetooth, video and audio streaming) content sources into a single, straightforward ecosystem, every single 2015 Panasonic product has been designed from the ground up to deliver the sort of uncompromising picture and sound quality that's been a huge part of Panasonic's DNA for generations.

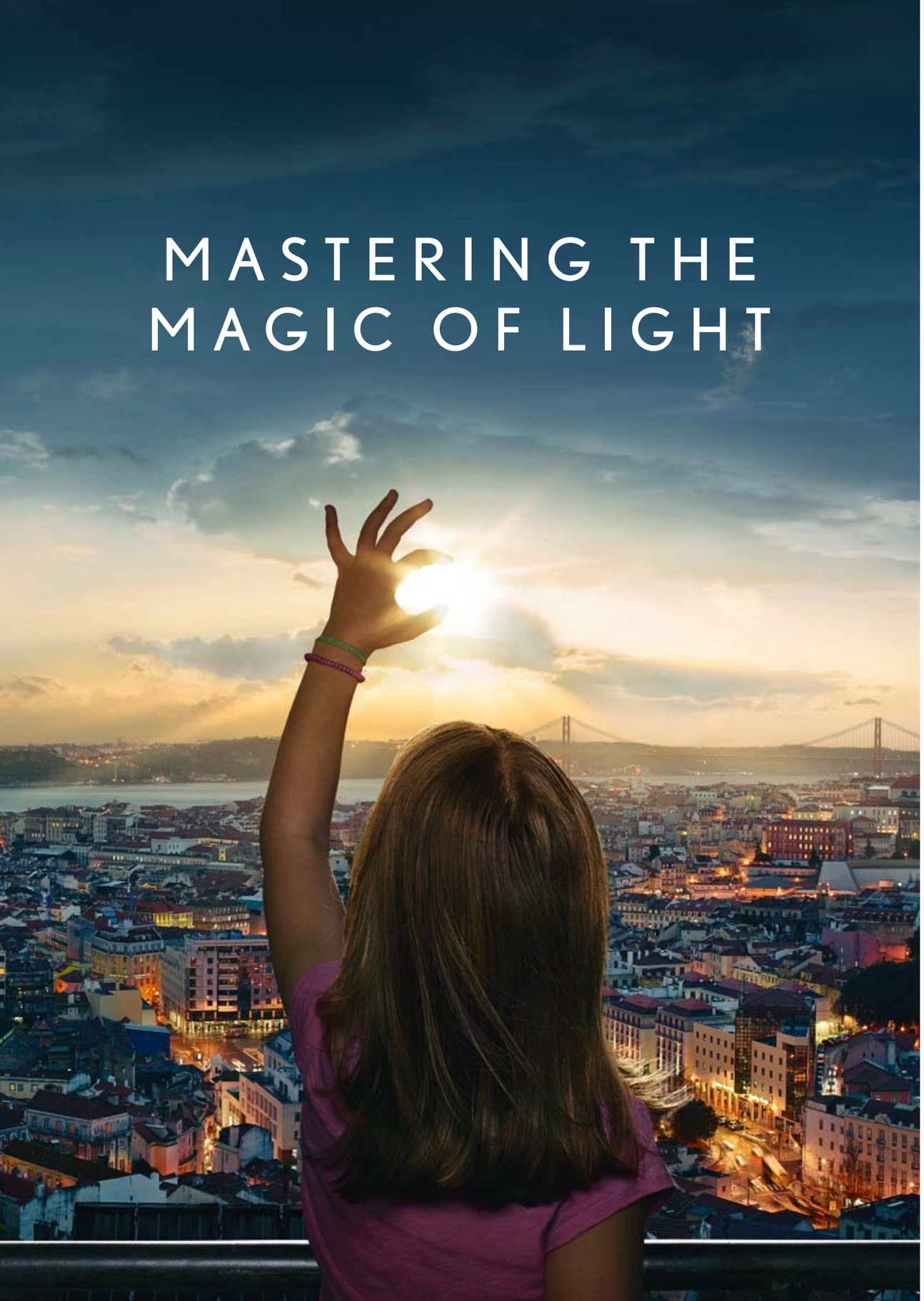
For instance, Panasonic 4K UHD VIERA TVs won't just be about resolution. They'll also deliver the colour, processing and contrast talents needed to make the most of 4K, with some high-end models even securing the backing of the independent THX (TBC) quality assurance group for the way they create incredibly accurate pictures that look exactly as the director intended.

Panasonic audio products will play high-resolution formats like FLAC brilliantly, thanks to improved speaker and product design, while new Qualcomm ALLPlay products will make it easier than ever to enjoy your favourite songs wirelessly all over the house.

What's more, new interfaces for Panasonic 4K UHD TVs and audio products make them easier and more enjoyable to use, helping you find and enjoy favourite content from the unprecedentedly wide range of sources available today.

In short, as will become clear over the following pages, Panasonic's constant drive to enhance people's lives means that anyone who buys its new televisions, Blu-ray players, speaker systems, hi-fis or headphones can feel safe in the knowledge that they're getting a product of the very highest quality.

MASTERING THE MAGIC OF LIGHT



Light is the source
The glow and spectrum of colours
The shades and darkness of contrast
The power of motion
Our passion is mastering light's brilliance
Balancing its beauty
And harnessing its power
To recreate spectacular visual experiences
To fill you with wonder

MASTERING THE MAGIC OF LIGHT

TRULY ACCURATE 4K UHD PICTURES

The stunning resolution of 4K UHD is, quite rightly, taking the TV world by storm. But for Panasonic, 4K UHD is only one part of the picture quality story.

THE 4K DIFFERENCE

PICTURES LOOK LIKE REALITY

Why 4K matters
4K UHD TVs deliver four times as much resolution as Full HD TVs. As you would expect, this means you can see far more detail and texture in 4K UHD pictures, but colours also look more natural, objects look more solid and three dimensional, and the extra detail creates a greater sense of depth. Many describe the 4K effect as feeling more like looking through a window than watching a screen. Especially when all that extra resolution is backed up by the wealth of other high-end picture features Panasonic brings to its 2015 4K UHD TVs.

4K Pro
Delivering picture quality that's true to the original intention of the director has long been one of the guiding principles for Panasonic. This year that drive for total image accuracy receives its ultimate expression in an advanced Panasonic 4K TV experience called 4K Pro. This combines a brand new professional-grade 4K Studio Master Processor with custom-made Studio Master Colour panels to offer viewers pictures that really do look exactly as they're supposed to look.

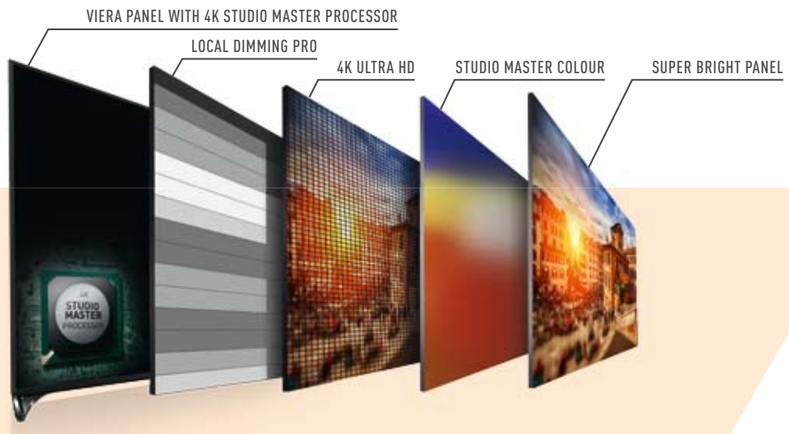
Futureproof connectivity
True 4K UHD content is arriving thick and fast – and the latest Panasonic 4K UHD TVs have all the connectivity you'll need to make the most of this next generation of picture quality. This includes HEVC decoding for Amazon and NETFLIX's 4K UHD streaming services, plus HDMI 2.0 ports for the ultimate experience from external 4K sources.

4K Pure Direct
This brilliant Panasonic technology delivers 4K signals at up to 60 frames a second and with so-called 4:4:4 colour resolution, meaning that you can enjoy smoother, crisper motion and incredibly accurate and nuanced 'lossless' colours.

4K Ultra HD vs Full HD
4K Ultra HD pictures are made up of four times as many pixels as full HD ones. This means they look far more detailed and accurately coloured, as well as enjoying a greater sense of depth.

ACCURATE PICTURE PROCESSING

Resolution isn't everything. Here, we explain how the latest Panasonic TVs also excel with colour, contrast and brightness.



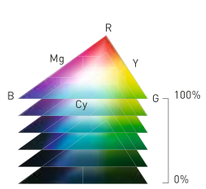
Six Steps To Brilliant Pictures
Panasonic has worked on everything from panel design to image processing to make sure its new TVs deliver truly premium picture quality.

Accurate Colour Drive

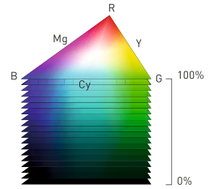
Black Gradation Drive

4K STUDIO MASTER PROCESSOR

Professional-grade picture technology delivers accurate picture processing true to the director's intentions. The panel is the canvas and the processor is the artist. Panasonic's new 4K Studio Master Processor contains our unrivalled picture processing knowhow from our reference-quality plasma TVs and our professional AV products, to deliver the best possible picture quality, remaining true to the director's intentions. Together with our Wide Colour Phosphor technology, it ensures accurate colours, fine blacks and brilliant brightness.



Conventional TV: approx. 100 registry points



Panasonic TV: approx. 8,000 registry points

Panasonic's Accurate Colour Drive uses professional colour management techniques to ensure that colour is accurately reproduced at any brightness.

PICTURE PERFECT

QUALITY THROUGH TECHNOLOGY

MAKING COLOUR BETTER

Even on 4K UHD TVs, if colours aren't good enough you won't feel the full impact of all those extra pixels. So, Panasonic TVs are packed with a wealth of innovative colour technologies.

Studio Master Colour
LCD TVs with Panasonic Studio Master Colour panels let you experience more vibrant, nuanced and natural tones – especially during dark scenes – than you get with normal LCD screens. They do this by using new Wide Colour Phosphor Technology, which combines advanced LED backlighting with a new colour filter system to deliver up to 98 % of the Digital Cinema Initiative (DCI) colour space.

MAKING CONTRAST BETTER

Nobody understands better than Panasonic that contrast is fundamental to strong picture quality, so it has brought all of its experience to bear on putting contrast at the heart of its 2015 TVs.

Local Dimming Pro
This enables TVs to improve contrast by independently adjusting the brightness of separate segments of the LED lights, ranged either around the edge of the screen or behind the screen.
Panasonic TVs with Local Dimming Pro further improve shadow detailing in dark areas by analysing images to work out the best gradation range to allocate to separate picture 'zones'.

BRIGHTNESS MATTERS

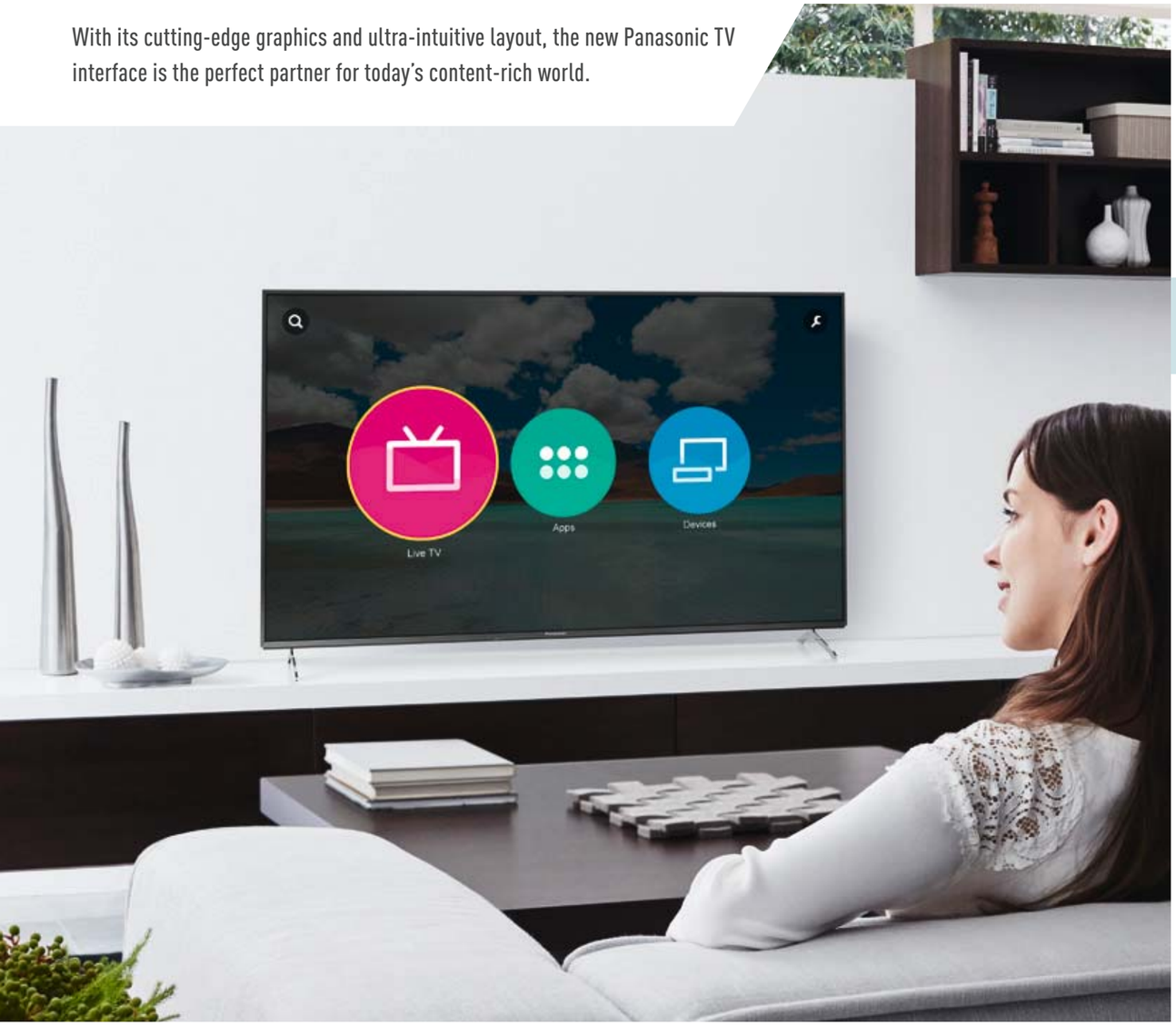
Since everything from shadow detail to sharpness and, especially, colour benefits from having more brightness to work with, Panasonic has introduced two brightness-related innovations for its 2015 TV range.

Super Bright Panels
Displays that use new, ultra-transmissive LCD cells to deliver much greater brightness without using significantly more power.

Dynamic Range Remaster
Picture information in the brightest parts of the image is usually lost through compression during the shooting process. So, the Dynamic Range Remaster system puts this information back without compromising colours, leaving pictures looking spectacularly vivid and dynamic.

TAKE CONTROL WITH FIREFOX OS

With its cutting-edge graphics and ultra-intuitive layout, the new Panasonic TV interface is the perfect partner for today's content-rich world.



Firefox OS

VOD Streaming
Stream your favourite movies whenever you want.

MY HOME SCREEN 2.0

POWERED BY FIREFOX OS

The TV interface evolved
Panasonic has used the Firefox operating system to create a graphically rich, fast-reacting interface that makes it quick and easy to track down what you want from the huge amount of content options available today.

All hands on deck
The my Home Screen 2.0 interface divides content into easy to navigate 'decks'. There are three default decks (see the descriptions at the bottom of the page), but you can also personalise your Home Screen by pinning your favourite content apps to it.

Advanced content search
Available at all times from my Home Screen 2.0 is a new search tool that's able to look for content based on your search keywords across all available source options, including Internet video services, websites and any external devices you may have connected to your TV.

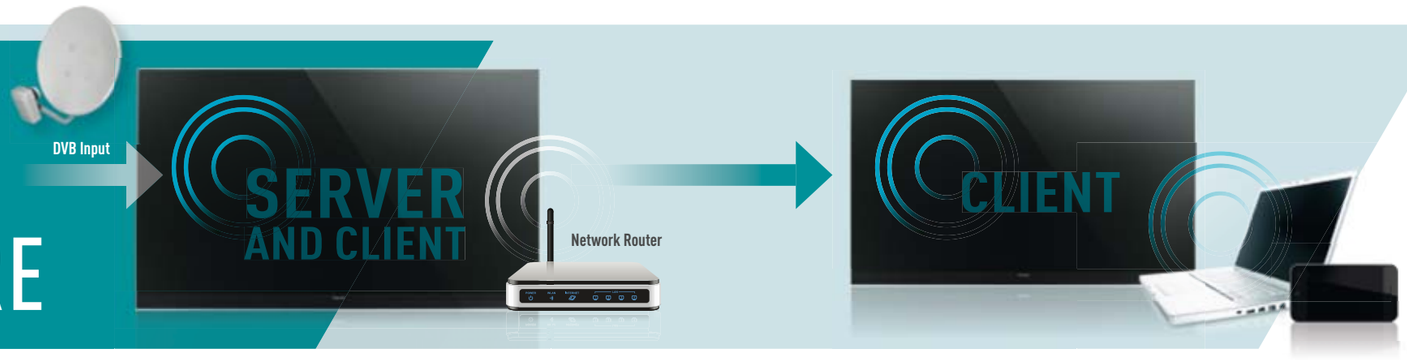
Smarter Remote Control
Several 2015 Panasonic TVs come with a newly designed 'smart' Remote Control that features a more intuitively shaped and spacious Touch Pad area along with a new 'Pin to Home' button, which you can use to personalise your my Home Screen 2.0 interface.

The Live TV Deck
From here, you can select live broadcasts to watch from an electronic programme guide, or you can use the deck to build up your own 'Home Screen' of most-watched channels.

The Apps Deck
This deck gives you slick, graphically rich access to the wide and varied range of apps available through Panasonic's smart platform. These apps take in everything from exciting games to the most popular localised video on demand partners and many other services besides.

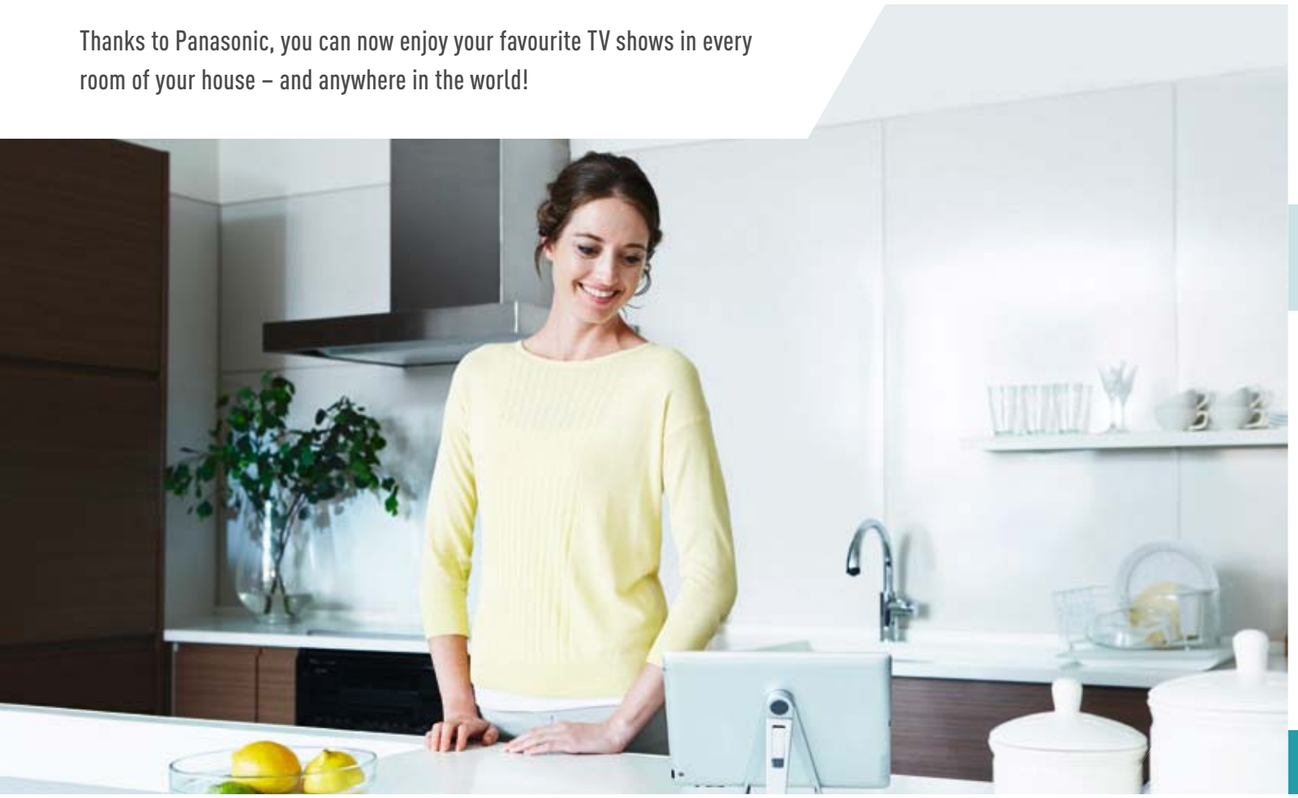
The Devices Deck
Any devices connected to your TV by either cables or Wi-Fi will appear in this deck, giving you rapid access to external sources like tablets, smartphones, computers, Blu-ray players, SD cards, USB storage drives and headphones.

TV EVERYWHERE



A whole new way of watching TV
In its ongoing bid to rid your home of cables, Panasonic has used its home networking expertise to allow its 2015 TVs to share their pictures wirelessly between each other, rather than each TV needing its own cabled aerial input.

Thanks to Panasonic, you can now enjoy your favourite TV shows in every room of your house – and anywhere in the world!



Never miss another show
Kitchens, bedrooms, studies, living rooms... Thanks to the new Panasonic In-house TV Streaming technology, it's much easier to watch TV in any or every room of your home.

IN-HOUSE TV STREAMING

SET YOUR TV FREE

What it does
The days where you had to position every TV in your home next to an aerial, satellite or cable socket are finally over. The new Panasonic In-house TV feature means you can now simply stream broadcasts from a single main (server) TV to multiple second-room (client) TVs, tablets or smartphones.

Twin HD Tuner advantage
Since your main server TV is equipped with two tuners, you can watch one TV show on the main TV while someone else watches a different programme on a second TV (Client).

How it works
The server TV converts broadcasts into signals that can be sent via your router to any compatible client devices – TVs, tablets or smartphones – that share your home network.

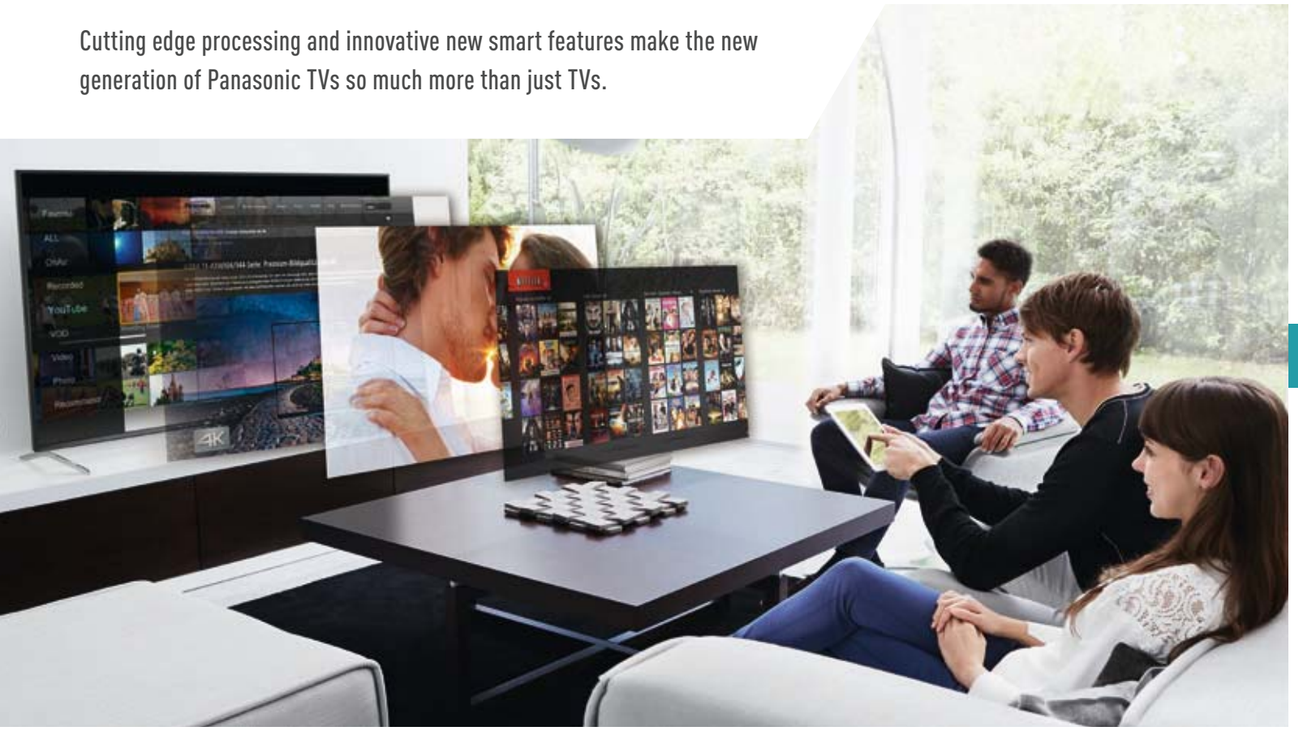
TV ANYWHERE

Television on the go
If you've ever found yourself sitting on a train or in a café or hotel room wishing you could watch something on your TV at home, the TV Anywhere feature found on many 2015 Panasonic TVs is a dream come true. It lets you access your TV's tuners or USB recordings over the Internet using your tablet or smartphone and the new Panasonic Media Center App – Free Download available for iOS and Android devices. (From April 2015)

Two-way street
You can also use TV Anywhere to remotely set recordings on your TV from your smartphone or tablet.

SEAMLESS INTERACTIVITY

Cutting edge processing and innovative new smart features make the new generation of Panasonic TVs so much more than just TVs.



Voice Assistant Pro

Twin HD Tuners

Swipe and Share

QUAD-CORE PRO

EXPAND YOUR TV'S MIND

A new way of thinking
With so many applications and features to handle, today's Smart TVs need some serious brainpower to make sure they can still deliver a slick, sophisticated user experience. Cue the new Panasonic Quad-Core Pro chip, which uses its ultra-powerful processing to keep the my Home Screen 2.0 interface running slickly, quickly and efficiently, despite its sophisticated features and graphics-rich design.

Do more, faster
Panasonic Quad-Core Pro TVs can run multiple apps and web pages simultaneously without slowing down, allowing users to easily switch between them for a truly fluid, immersive, smart environment.

SMART FEATURES

Info Frame
Say hello to your new personal TV assistant. The new Panasonic Info Frame feature combines on a single screen everything from local weather reports to recommended TV shows, TV listings and links to favourite websites. Just switch your TV on and the Info Frame appears, giving you instant access to the information or content you need in just seconds.

my Stream
my Stream recommends TV broadcasts, video on demand services and Internet content it knows from experience that you'll like, presenting the results in an inviting, graphically-rich scrolling interface. You can also now see the results of keyword searches in the my Stream format.

Voice Assistant Pro
Thanks to the new Voice Assistant Pro feature, you no longer have to speak into a mic on the remote control to make your Panasonic TV 'hear you'. You can now speak directly to the TV – which means you can still control it even if you've lost the remote down the back of the sofa.

Twin HD Tuners
Panasonic TVs with two tuners open up a wealth of great extra features. You can watch one programme while recording another. You can watch one broadcast on your TV while someone else watches another on their smartphone or tablet. You can watch two programmes simultaneously on the TV screen, or you can keep watching TV while browsing what's showing on other channels via a small second window in the electronic programme guide.

Swipe and Share
Sharing content between your TV and your smart devices over your home network has never been easier. Download the Panasonic TV Remote app from the iOS App market or Google Play store and you'll be able to 'throw' content from your smart device to your TV just by swiping up your smart device's screen, or 'pull' content from the TV to your smart device simply by swiping your smart device's screen towards you.

Smarter Remote Control
The new 'Pin to home' Button makes it easier than ever to customise your Smart TV experience by letting you instantly pin favourite apps or TV channels to your personal my Home Screen 2.0 page. A new, larger touch pad offers a faster and intuitive way to move around smart menus and web pages.

PERFECT HARMONY

With their clean, minimalistic lines and simple, authentic style, the latest Panasonic TVs bring the best out of any living room design.

DESIGNED FOR LIFE

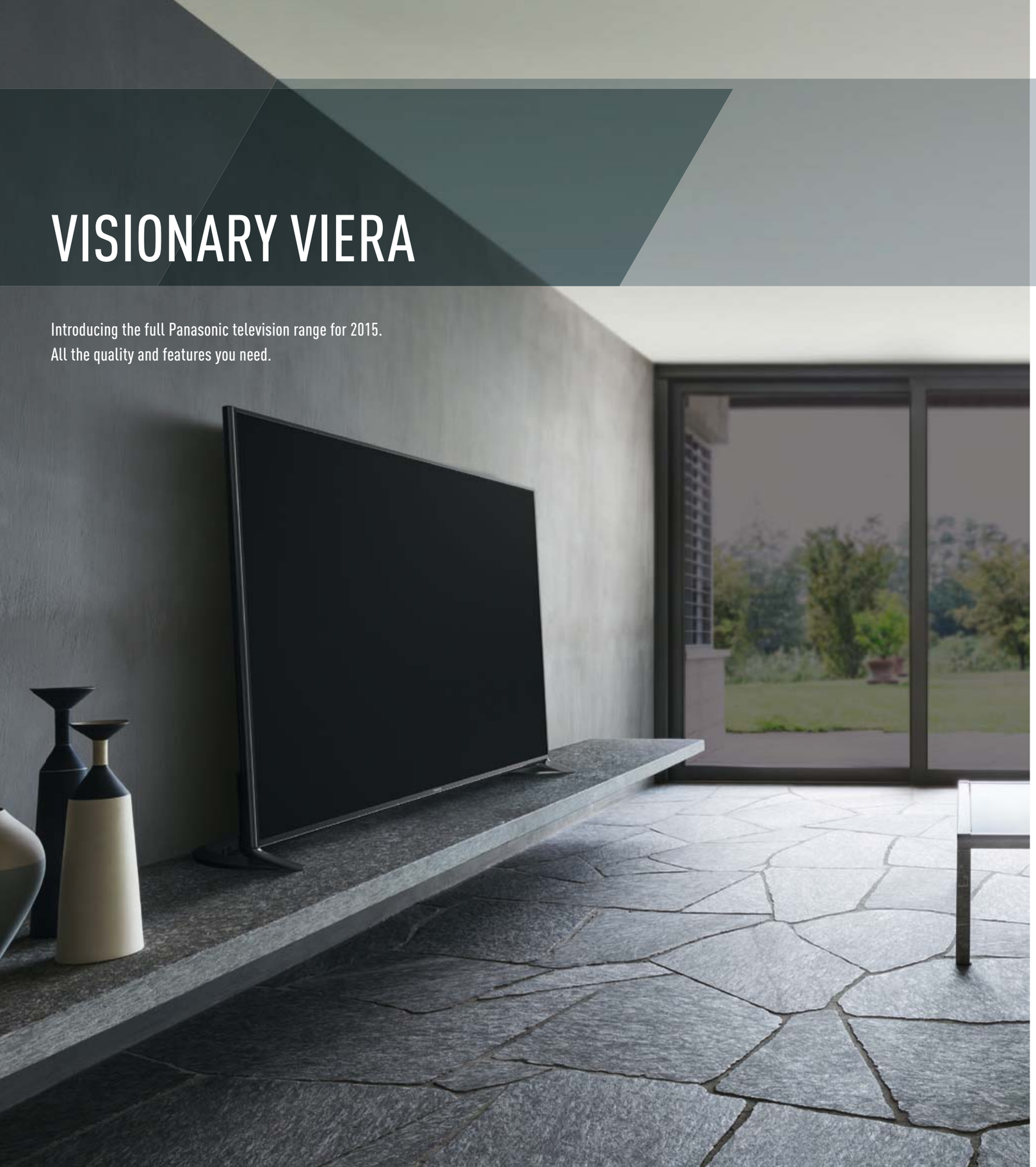
ELEGANTLY UNDERSTATED

Interior elements
Sometimes a whisper speaks louder than a shout. The latest range of TVs from Panasonic feature a beautifully subtle combination of minimalist, barely-there frames and stylishly understated colour combinations to produce an elegantly refined appearance that effortlessly complements any room, whatever your style.

Material benefits
Panasonic TVs use high-grade materials, including metallics, to give them a luxurious, premium look and feel.

VISIONARY VIERA

Introducing the full Panasonic television range for 2015.
All the quality and features you need.



CR850 SERIES

CX800 SERIES

AX900 SERIES

X940 SERIES

CX750 SERIES

CR730 SERIES

CX700 SERIES

CX680 SERIES

CS600 SERIES

CS500 SERIES

CR430 SERIES

CX400 SERIES

C300 SERIES

RESOLUTION REVOLUTIONARIES

HIGH-QUALITY METAL FINISH
ADDS AN ELEGANT APPEARANCE

CR850 SERIES

PREMIUM 4K UHD TV IN A STYLISH, CURVED DESIGN OF METAL

4K UHD LED TV with 1,600Hz (BMR) – superb motion picture quality, for intense 2D and 3D entertainment
4K Studio Master Processor – professional technology for accurate picture processing true to the director's intentions
Local Dimming Pro – adaptive backlight technology for enjoying added dynamics with robust blacks and delicate gradation
In-house TV Streaming – TV and server in one for streaming broadcasts seamlessly to other TVs, tablets and more at home
my Home Screen 2.0 – a new, intuitive, look-and-feel provides an easy access to all your favourite content

* Energy efficiency class may differ according to screen size.

CURVED

TENTATIVE ENERGY EFFICIENCY CLASS B *

TX-65CR850 I 65˝ – 164 cm I ●
TX-55CR850 I 55˝ – 139 cm I ●

3D · 1600Hz BMR INTELLIGENT FRAME CREATION 4K · DYNAMIC RANGE REMASTER · SUPER BRIGHT PANEL · SUPREME CONTRAST · TV ANYWHERE · Web Browser Firefox · TWIN HD TUNER

TENTATIVE

FLOATING DESIGN PEDESTAL COMPLEMENTS
PREMIUM METAL FINISH

CX800 SERIES

POWERED BY LEADING-EDGE 4K STUDIO MASTER PROCESSOR

4K UHD LED TV with 1,600Hz (BMR) – superb motion picture quality, for intense 2D and 3D entertainment
4K Studio Master Processor ** **–** professional technology for accurate picture processing true to the director's intentions
Local Dimming Pro ** **–** adaptive backlight technology for enjoying added dynamics with robust blacks and delicate gradation
In-house TV Streaming – TV and server in one for streaming broadcasts seamlessly to other TVs, tablets and more at home
my Home Screen 2.0 – a new, intuitive, look-and-feel provides an easy access to all your favourite content

* Energy efficiency class may differ according to screen size.
** Not available with 40˝.

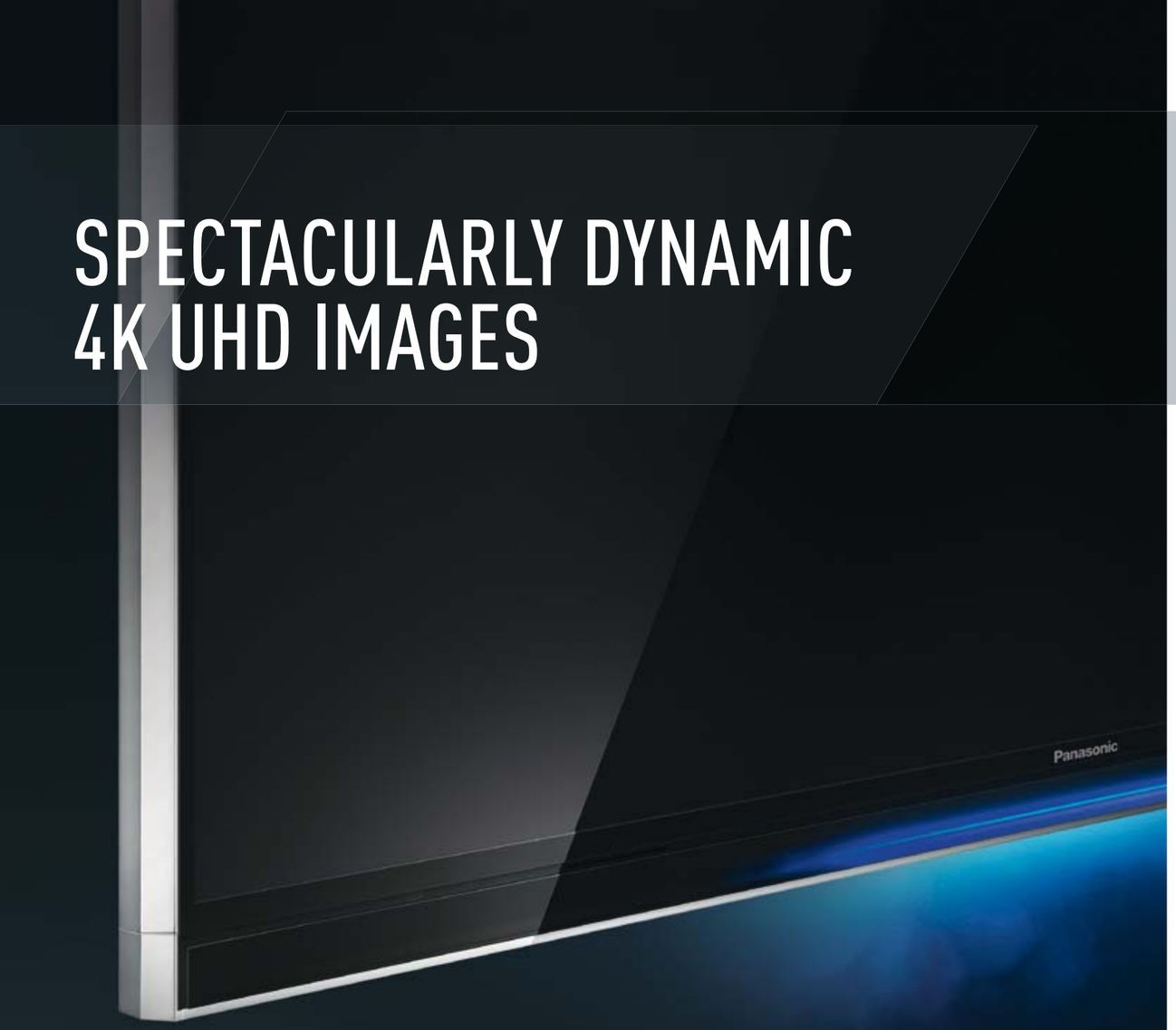
TENTATIVE ENERGY EFFICIENCY CLASS B *

TX-65CX800 I 65˝ – 164 cm I ●
TX-55CX800 I 55˝ – 139 cm I ●
TX-50CX800 I 50˝ – 126 cm I ●
TX-40CX800 I 40˝ – 102 cm I ●

3D · 1600Hz BMR INTELLIGENT FRAME CREATION 4K · DYNAMIC RANGE REMASTER ** · THX 2K DISPLAY · SUPREME CONTRAST ** · TV ANYWHERE · Web Browser Firefox · TWIN HD TUNER

TENTATIVE

SPECTACULARLY DYNAMIC 4K UHD IMAGES



HORIZONTAL PEDESTAL DESIGN WITH BLUE LED LIGHT ENRICHES MODERN DÉCOR

AX900 SERIES

4K ULTRA HD TV

ULTIMATE 4K PICTURE QUALITY ENCASED IN A MODERN ART DESIGN

Ultra HD IPS LED TV with 3,000Hz (BLS) – superior highest-speed panel for amazing images, motion clarity and 3D
Quad-Core Pro5 – powerful processor, with HEVC decoder, for next-generation 4K entertainment and ultimate images
Local Dimming Ultra – highest class of dimming delivers dynamic images with deepest blacks and ultra whites
Studio Master Drive – delivers more accurate colours and enhances the picture processing for outstanding viewing
my Stream – enjoy content recommended to match your preferences, easily via an intuitive interface

* Energy efficiency class may differ according to screen size.

ENERGY EFFICIENCY CLASS B *

TX-65AX900 I 65″ – 164 cm I ●
TX-55AX900 I 55″ – 139 cm I ●

3D · 3000Hz INTELLIGENT FRAME CREATION PRO 4K · QUAD-CORE PRO5 · 4K STUDIO MASTER DRIVE · STUDIO MASTER COLOUR · THX 4K DISPLAY · TV ANYWHERE · LOCAL DIMMING ULTRA

4K UHD LED TV

ULTRA DYNAMIC PICTURES

ELEGANT MATERIALS
ELABORATE ON IMPRESSIVELY
LARGE SCREEN

X940 SERIES

IMPRESSIVE 4K PICTURES ACROSS AN ULTRA-LARGE SCREEN

4K ULTRA HD TV

Ultra HD LED TV with 2,000Hz (BLS) – exceptionally fast panel for impressive motion picture quality and 3D
Quad-Core Pro5 – powerful processor, with HEVC decoder, for next-generation 4K entertainment and ultimate images
Local Dimming Pro – enjoy added dynamics with robust blacks and delicate gradation
Studio Master Drive – delivers more accurate colours and enhances the picture processing for outstanding viewing
TV Anywhere – your entertainment, from the TV to your Web-enabled mobile device, even outside the home

ENERGY EFFICIENCY CLASS B

TX-85X940 I 85″ – 214 cm I ●

DISCREET METAL BEZEL
ADDS A DESIGNER TOUCH

CX750 SERIES

BRIGHT 4K UHD MEETS INNOVATIVE NETWORKING OPTIONS

4K ULTRA HD TV

4K UHD LED TV with 1,000Hz (BMR) – high-performance panel delivers extraordinary entertainment in 2D and 3D
Twin HD Tuner – enjoy viewing freedom: watch one broadcast and record another, or watch two at the same time
Super Bright IPS Panel – be captivated by the spectacular brightness, thanks to the advanced panel for enhanced viewing
In-house TV Streaming – TV and server in one for streaming broadcasts seamlessly to other TVs, tablets and more at home
my Home Screen 2.0 – a new, intuitive look-and-feel provides an easy access to all your favourite content

* Energy efficiency class may differ according to screen size.

TENTATIVE ENERGY EFFICIENCY CLASS B *

TX-60CX750 I 60″ – 151 cm I ●
TX-55CX750 I 55″ – 139 cm I ●
TX-49CX750 I 49″ – 124 cm I ●
TX-43CX750 I 43″ – 109 cm I ●

4K UHD WARRIORS

CURVED METAL DESIGN INTENSIFIES
NEW VIEWING EXPERIENCE

FULL METAL DESIGN ENHANCES
HARMONIC HOME INTERIOR

CR730 SERIES

INTENSE VIEWING WRAPPED IN AN ELEGANT, CURVED DESIGN

CURVED

4K UHD LED TV with 1,000Hz (BMR) – high-performance panel delivers extraordinary, smooth 4K images
Local Dimming – revel in entertainment with more depth, thanks to deep blacks and fine dark gradations
Studio Master Drive – delivers more accurate colours and enhances the picture processing for outstanding viewing
In-house TV Streaming – place the TV anywhere in your home and enjoy programmes streamed from a dedicated server
my Home Screen 2.0 – a new, intuitive look-and-feel provides an easy access to all your favourite content

* Energy efficiency class may differ according to screen size.

TENTATIVE ENERGY EFFICIENCY CLASS A *

TX-65CR730 I 65˝ – 164 cm I
TX-55CR730 I 55˝ – 139 cm I

3D · 1000Hz Intelligent Frame Creation 4K · 4K Studio Master Drive · TV Anywhere · Bright Panel Plus · Brilliant Contrast · Web Browser Firefox · Voice Assistant

TENTATIVE

CX700 SERIES

UPGRADE TO AN ELEGANT METAL DESIGN AND VIVID 4K UHD

4K UHD LED TV with 800Hz (BMR) – stunning motion clarity with brilliant contrast for an exciting viewing experience
Studio Master Drive – delivers more accurate colours and enhances the picture processing for outstanding viewing
Local Dimming – revel in entertainment with more depth, thanks to deep blacks and fine dark gradations
Super Bright Panel – become captivated by the outstanding brightness, thanks to the advanced panel for enhanced viewing
my Home Screen 2.0 – a new, intuitive look-and-feel provides an easy access to all your favourite content

* Energy efficiency class may differ according to screen size.

TENTATIVE ENERGY EFFICIENCY CLASS A *

TX-65CX700 I 65˝ – 164 cm I
TX-55CX700 I 55˝ – 139 cm I
TX-50CX700 I 50˝ – 126 cm I
TX-40CX700 I 40˝ – 102 cm I

3D · 800Hz Intelligent Frame Creation 4K · In-House TV Streaming Client · TV Anywhere · Studio Master Colour · Brilliant Contrast · Web Browser Firefox · Voice Assistant

BEAUTIFUL OUTSIDE AND IN

DARK-SILVER BOTTOM STRIP
EMPHASISES MODERN DESIGN

CS630/620

SLIM SILVER BEZEL BLENDS
IN WITH ADDITIONAL SHINY
ELEMENTS

CX680 SERIES

GET STARTED WITH EASY MOZILLA FIREFOX OS IN 4K UHD

4K UHD LED TV with 200Hz (BMR) – enjoy your favourite films, games and TV programmes in great detail and sharp motion
Studio Master Colour – experience more vivid viewing, thanks to a wider colour range and more accurate colour reproduction
In-house TV Streaming – place the TV anywhere in your home and enjoy programmes streamed from a dedicated server
Quad-Core Pro – high-speed processing engines deliver intense 4K entertainment and ensure seamless smart functionality
my Home Screen 2.0 – a new, intuitive look-and-feel provides an easy access to all your favourite content

* Energy efficiency class may differ according to screen size.

TENTATIVE ENERGY EFFICIENCY CLASS B *

TX-55CX680 I 55″ – 139 cm I
TX-50CX680 I 50″ – 126 cm I
TX-40CX680 I 40″ – 102 cm I

200Hz Backlight Motion Rate 4K · BRILLIANT CONTRAST · VOICE ASSISTANT · TV ANYWHERE · Web Browser Firefox · LOCAL DIMMING · 4K STUDIO MASTER DRIVE

4K UHD LED TV

CS600 SERIES

DISCOVER IMMERSIVE FULL HD AND ADVANCED SMART FEATURES

CS630/620

Full HD LED TV with up to 400Hz (BMR)*1 – high-speed panel delivers flicker-free motion for an excellent picture
Bright Panel Plus – revel in bright colours and images to enjoy a more exciting experience with every film or programme
Adaptive Backlight Dimming – enjoy crisp dark scenes and high contrast with a constantly optimised backlight
TV Anywhere*2 – your entertainment, from the TV to your Web-enabled mobile device, even outside the home
In-house TV Streaming – place the TV anywhere in your home and enjoy programmes streamed from a dedicated server

*1 Depending on screen size. 32″: 100Hz, 40″ and 50″: 200Hz, 55″ and 65″: 400Hz.
*2 Not available with TX-32CS600.
*3 CS630 Series supports 3D.
*4 Energy efficiency class may differ according to screen size.

TENTATIVE ENERGY EFFICIENCY CLASS A+ *4

TX-65CS620 I 65″ – 164 cm I
TX-55CS630 I 55″ – 139 cm I (3D)
TX-50CS630 I 50″ – 126 cm I (3D)
TX-50CS620 I 50″ – 126 cm I
TX-40CS630 I 40″ – 102 cm I (3D)
TX-40CS620 I 40″ – 102 cm I
TX-40CS610 I 40″ – 102 cm I
TX-32CS600 I 32″ – 80 cm I
TX-32CS600W I 32″ – 80 cm I

3D *3 · 400Hz Backlight INTELLIGENT FRAME CREATION *1 · my Home Screen · TV ANYWHERE · my Stream · DUAL-CORE x4 · VOICE ASSISTANT *2 · INTERNET APPS

FULL HD LED TV

HIGH-DEF HEROES

SILVER STRIP ON THE PEDESTAL
HIGHLIGHTS THE SLIM DESIGN

NEW VIEWING EXPERIENCE
UNFOLDS WITH CURVED DESIGN

CS500 SERIES

START IN-HOUSE TV STREAMING WITH MODERN, SMART TV

Full HD LED TV with up to 200Hz (BMR)*1 – enjoy Full HD paired with sharp motion images
my Home Screen – customise the start-up screen to quickly access your favourite apps or the App Market
Internet Apps – browse the Web, have access to a large number of apps and enjoy big-screen VOD entertainment
Adaptive Backlight Dimming – enjoy crisp dark scenes and high contrast with a constantly optimised backlight
In-house TV Streaming – place the TV anywhere in your home and enjoy programmes streamed from a dedicated server

*1 Depending on screen size. 24˝ and 32˝: HD Ready and 100Hz (BMR), 40˝ and 50˝: 100Hz (BMR).
*2 Energy efficiency class may differ according to screen size.

CS510

TENTATIVE ENERGY EFFICIENCY CLASS B *2

TX-55CS520 I 55˝ – 139 cm I
TX-50CS520 I 50˝ – 126 cm I
TX-40CS520 I 40˝ – 102 cm I
TX-32CS510 I 32˝ – 80 cm I
TX-24CS500 I 24˝ – 60 cm I

200Hz Backlight Motion Rate | my Home Screen | HIGH CONTRAST | MEDIA PLAYER | Wireless LAN Built-in | SWIPE & SHARE | INTERNET APPS

FULL HD LED TV

CR430 SERIES

IMPACTFUL 4K UHD PACKED IN A CURVED DESIGN

4K UHD LED TV with 400Hz (RMR) – enjoy clear motion quality for fast-moving action or sports and 3D
Curved design – immerse yourself in a new viewing experience for impactful entertainment all round
Essential apps – easily access dedicated apps, online entertainment and more directly on your big-screen TV
Uncompromising quality – use HDMI 2.0 with future-proof 4K compatibility to hook up external devices
Media Player – play back photos, movies and music on the TV easily from any USB storage device

TENTATIVE ENERGY EFFICIENCY CLASS A

TX-55CR430 I 55˝ – 139 cm I

3D | 400Hz Real Motion Rate | ESSENTIAL APPS | Wireless LAN Built-in | MEDIA PLAYER | 4K 50/60P INPUT | HIGH CONTRAST | QUAD-CORE

4K UHD LED TV

QUALITY ASSURED

CX400 SERIES

4K UHD VIEWING PAIRED WITH FUTURE-PROOF CONNECTIVITY

CX400

4K UHD LED TV with up to 400Hz (RMR)*1 – enjoy clear motion quality for fast-moving action or sports and 3D
High Contrast – marvel at rich-contrast images with deep blacks, bright whites and vivid colours
Essential apps – easily access dedicated apps, online entertainment and more directly on your big-screen TV
Uncompromising quality – use HDMI 2.0 with future-proof 4K compatibility to hook up external devices
Media Player – play back photos, movies and music on the TV easily from any USB storage device

*1 Depending on screen size. 40″ and 48″: 200Hz (RMR).
*2 Energy efficiency class may differ according to screen size.

TENTATIVE ENERGY EFFICIENCY CLASS A *2

TX-65CX410 I 65″ – 164 cm I
TX-55CX400 I 55″ – 139 cm I
TX-48CX400 I 48″ – 121 cm I
TX-40CX400 I 40″ – 102 cm I

3D · 400Hz Real Motion Rate · ESSENTIAL APPS · Wireless LAN built-in · MEDIA PLAYER · 4K 50/60P INPUT · HIGH CONTRAST · QUAD-CORE

C300 SERIES

CLASSIC DESIGN OFFERING HIGH DEFINITION ENTERTAINMENT

C300

Full HD LED TV with up to 400Hz (RMR)*1 – discover fast-moving action or sports in clear motion quality
High Contrast – marvel at rich-contrast images with deep blacks, bright whites and vivid colours
Media Player – play back photos, movies and music on the TV easily from any USB storage device
Essential apps*2 – easily access dedicated apps, online entertainment and more directly on your big-screen TV

*1 Depending on screen size. 24″ and 32″: HD Ready; 24″, 32″, 48″ and 55″: 200Hz.
*2 Only available with TX-55C320 and TX-65C320.
*3 TX-65C320: A.

TENTATIVE ENERGY EFFICIENCY CLASS A+ *3

TX-65C320 I 65″ – 164 cm I
TX-55C320 I 55″ – 139 cm I
TX-48C300 I 48″ – 121 cm I
TX-40C300 I 40″ – 102 cm I
TX-32C300 I 32″ – 80 cm I
TX-24C300 I 24″ – 60 cm I

400Hz Real Motion Rate · MEDIA PLAYER · HIGH CONTRAST · USB · HDMI · ESSENTIAL APPS *2

VIERA LED TV TECHNOLOGY COMPARISON

CURVED

CR850 SERIES
TX-65CR850 I 65″ – 164 cm
TX-55CR850 I 55″ – 139 cm

CX800 SERIES
TX-65CX800 I 65″ – 164 cm
TX-55CX800 I 55″ – 139 cm
TX-50CX800 I 50″ – 126 cm
TX-40CX800 I 40″ – 102 cm

AX900 SERIES
TX-65AX900 I 65″ – 164 cm
TX-55AX900 I 55″ – 139 cm

X940 SERIES
TX-85X940 I 85″ – 214 cm

CX750 SERIES
TX-60CX750 I 60″ – 151 cm
TX-55CX750 I 55″ – 139 cm
TX-49CX750 I 49″ – 124 cm
TX-43CX750 I 43″ – 109 cm

CURVED

CR730 SERIES
TX-65CR730 I 65″ – 164 cm
TX-55CR730 I 55″ – 139 cm

CX700 SERIES
TX-65CX700 I 65″ – 164 cm
TX-55CX700 I 55″ – 151 cm
TX-50CX700 I 50″ – 126 cm
TX-40CX700 I 40″ – 102 cm

CX680 SERIES
TX-55CX680 I 55″ – 139 cm
TX-50CX680 I 50″ – 126 cm
TX-40CX680 I 40″ – 102 cm

CS600 SERIES
TX-65CS620 I 65″ – 164 cm
TX-55CS630 I 55″ – 139 cm (3D)
TX-50CS630 I 50″ – 126 cm (3D)
TX-50CS620 I 50″ – 126 cm
TX-40CS630 I 40″ – 102 cm (3D)
TX-40CS620 I 40″ – 102 cm
TX-40CS610 I 40″ – 102 cm
TX-32CS600 I 32″ – 80 cm
TX-32CS600W I 32″ – 80 cm

CS500 SERIES
TX-55CS520 I 55″ – 139 cm
TX-50CS520 I 50″ – 126 cm
TX-40CS520 I 40″ – 102 cm
TX-32CS510 I 32″ – 80 cm
TX-24CS500 I 24″ – 60 cm

CURVED

CR430 SERIES
TX-55CR430 I 55″ – 139 cm

CX400 SERIES
TX-65CX410 I 65″ – 164 cm
TX-55CX400 I 55″ – 139 cm
TX-48CX400 I 48″ – 121 cm
TX-40CX400 I 40″ – 102 cm

C300 SERIES
TX-65C320 I 65″ – 164 cm
TX-55C320 I 55″ – 139 cm
TX-48C300 I 48″ – 121 cm
TX-40C300 I 40″ – 102 cm
TX-32C300 I 32″ – 80 cm
TX-24C300 I 24″ – 60 cm

GENERAL	CR850 SERIES	CX800 SERIES	AX900 SERIES	X940 SERIES	CX750 SERIES	CR730 SERIES	CX700 SERIES	CX680 SERIES	CS600 SERIES	CS500 SERIES	CR430 SERIES	CX400 SERIES	C300 SERIES
Technology	4K	4K	4K ULTRA HD TV	4K ULTRA HD TV	4K ULTRA HD TV	4K ULTRA HD TV	4K ULTRA HD TV	4K ULTRA HD TV	LED	LED	4K ULTRA HD TV	4K ULTRA HD TV	LED
Resolution	3840×2160p	3840×2160p	3840×2160p	3840×2160p	3840×2160p	3840×2160p	3840×2160p	3840×2160p	FULL HD	FULL HD *1	3840×2160p	3840×2160p	FULL HD *1

PICTURE & SOUND QUALITY	CR850 SERIES	CX800 SERIES	AX900 SERIES	X940 SERIES	CX750 SERIES	CR730 SERIES	CX700 SERIES	CX680 SERIES	CS600 SERIES	CS500 SERIES	CR430 SERIES	CX400 SERIES	C300 SERIES
Motion (Hz)	1600Hz bmr Intelligent Frame Creation 4K	1600Hz bmr Intelligent Frame Creation 4K	3000Hz bls Intelligent Frame Creation PRO 4K	2000Hz bls Intelligent Frame Creation 4K	1000Hz bmr Intelligent Frame Creation 4K	1000Hz bmr Intelligent Frame Creation 4K	800Hz bmr Intelligent Frame Creation 4K	200Hz bmr Backlight Motion Rate 4K	400Hz bmr Intelligent Frame Creation *2	200Hz bmr Backlight Motion Rate	400Hz rmr Real Motion Rate	400Hz rmr Real Motion Rate *3	400Hz rmr Real Motion Rate *4
Contrast	Supreme Contrast	Supreme Contrast *5	Ultimate Contrast	Supreme Contrast	IPS Brilliant Contrast	Brilliant Contrast	Brilliant Contrast	Brilliant Contrast	High Contrast	High Contrast	High Contrast	High Contrast	High Contrast
3D	3D *6	3D	3D	3D	3D	3D *6	3D		3D *7		3D	3D	
Brightness	Super Bright Panel	Super Bright Panel	Super Bright Panel	Super Bright Panel	Super Bright Panel IPS	Bright Panel Plus	Super Bright Panel	Super Bright Panel	Bright Panel Plus	Bright Panel Plus *8			
Content Optimizer	Content Optimizer PRO	Content Optimizer PRO	Content Optimizer PRO	Content Optimizer PRO	Content Optimizer PLUS	Content Optimizer PLUS	Content Optimizer PLUS	Content Optimizer PLUS	Content Optimizer	Content Optimizer			
Sound	VR-Audio Master Surround 2.1	VR-Audio Master Surround 2.1 *9	VR-Audio Master Surround 2.1	VR-Audio Master Surround 2.1	VR-Audio True Surround	VR-Audio True Surround	VR-Audio True Surround	VR-Audio True Surround	VR-Audio True Surround *10	V-Audio			
Pure Direct	4K Pure Direct	4K Pure Direct	4K Pure Direct	4K Pure Direct	4K Pure Direct	4K Pure Direct	4K Pure Direct	4K Pure Direct					
4K Studio Master Accuracy	4K Studio Master Processor	4K Studio Master Processor *5	4K Studio Master Drive	4K Studio Master Drive	4K Studio Master Drive	4K Studio Master Drive	4K Studio Master Drive	4K Studio Master Drive					
Local Dimming	Local Dimming PRO	Local Dimming PRO *5	Local Dimming ULTRA	Local Dimming PRO	Local Dimming	Local Dimming	Local Dimming	Local Dimming					
Studio Master Colour	Studio Master Colour	Studio Master Colour	Studio Master Colour	Studio Master Colour	Studio Master Colour		Studio Master Colour	Studio Master Colour					
THX		THX 4K Display *5	THX 4K Display	THX 4K Display									
Dynamic Range Re-Master	Dynamic Range Remaster	Dynamic Range Remaster *5	Dynamic Range Remaster	Dynamic Range Remaster									

ECO	CR850 SERIES	CX800 SERIES	AX900 SERIES	X940 SERIES	CX750 SERIES	CR730 SERIES	CX700 SERIES	CX680 SERIES	CS600 SERIES	CS500 SERIES	CR430 SERIES	CX400 SERIES	C300 SERIES
Energy Efficiency Class	B TENTATIVE	B TENTATIVE	B	B	B TENTATIVE	A TENTATIVE	A TENTATIVE	B TENTATIVE	A+ TENTATIVE	B TENTATIVE	A TENTATIVE	A TENTATIVE	A+ *11 TENTATIVE

*1 24″, 32″: HD Ready *2 Depending on screen size. 32″: 100Hz, 40″ and 50″: 200Hz, 55″ and 65″: 400Hz. *3 Depending on screen size. 40″ and 48″: 200Hz (RMR). *4 Depending on screen size. 24″, 32″, 48″ and 55″: 200Hz.
*5 40″ supports Local Dimming, Brilliant Contrast, Studio Master Drive. Dynamic Range Remaster is not available. *6 TENTATIVE *7 only CS630. *8 32″: Bright Panel. *9 40″: VR-Audio Master Surround. *10 32″: V-Audio. *11 TX-65C320: A.

NETWORKING	CR850 SERIES	CX800 SERIES	AX900 SERIES	X940 SERIES	CX750 SERIES	CR730 SERIES	CX700 SERIES	CX680 SERIES	CS600 SERIES	CS500 SERIES	CR430 SERIES	CX400 SERIES	C300 SERIES
Media Player	4K Media Player	4K Media Player	4K Media Player	4K Media Player	4K Media Player	4K Media Player	4K Media Player	4K Media Player	Media Player	Media Player	4K Media Player	4K Media Player	Media Player
Internet Applications	Internet Apps	Internet Apps	Internet Apps	Internet Apps	Internet Apps	Internet Apps	Internet Apps	Internet Apps	Internet Apps	Internet Apps	Essential Apps	Essential Apps	
Wireless LAN	Wireless LAN built-in	Wireless LAN built-in	Wireless LAN built-in	Wireless LAN built-in	Wireless LAN built-in	Wireless LAN built-in	Wireless LAN built-in	Wireless LAN built-in	Wireless LAN built-in	Wireless LAN built-in	Wireless LAN built-in	Wireless LAN built-in	
Web Browser	Web Browser Firefox	Web Browser Firefox	Web Browser	Web Browser	Web Browser Firefox	Web Browser Firefox	Web Browser Firefox	Web Browser Firefox	Web Browser	Web Browser	Web Browser	Web Browser	
Easy Mirroring	Easy Mirroring	Easy Mirroring	Easy Mirroring	Easy Mirroring	Easy Mirroring	Easy Mirroring	Easy Mirroring	Easy Mirroring	Easy Mirroring	Easy Mirroring			
4K 50 / 60P Input (HDMI2.0)	4K 50/60P Input	4K 50/60P Input	4K 50/60P Input	4K 50/60P Input	4K 50/60P Input	4K 50/60P Input	4K 50/60P Input	4K 50/60P Input			4K 50/60P Input	4K 50/60P Input	
In-house TV Streaming*1	In-House TV Streaming Server	In-House TV Streaming Server			In-House TV Streaming Server	In-House TV Streaming Client	In-House TV Streaming Client	In-House TV Streaming Client	In-House TV Streaming Client	In-House TV Streaming Client			
USB Recording	USB HDD Recording REC	USB HDD Recording REC	USB HDD Recording REC	USB HDD Recording REC	USB HDD Recording REC	USB HDD Recording REC	USB HDD Recording REC						
SD Card Reader	SDXC	SDXC	SDXC	SDXC	SDXC	SDXC	SDXC						
Twin HD Tuner (2× CI Slots)	Twin HD Tuner	Twin HD Tuner	Twin HD Tuner	Twin HD Tuner	Twin HD Tuner								

EASY OPERATION	CR850 SERIES	CX800 SERIES	AX900 SERIES	X940 SERIES	CX750 SERIES	CR730 SERIES	CX700 SERIES	CX680 SERIES	CS600 SERIES	CS500 SERIES	CR430 SERIES	CX400 SERIES	C300 SERIES
Processing	Quad-Core Pro x4	Quad-Core Pro x4	Quad-Core Pro5 x4	Quad-Core Pro5 x4	Quad-Core Pro x4	Quad-Core Pro x4	Quad-Core Pro x4	Quad-Core Pro x4	Dual-Core x4	V-real Smart Pro	Quad-Core x4	Quad-Core x4	
my Home Screen 2.0	my Home Screen 2.0	my Home Screen 2.0	my Home Screen	my Home Screen	my Home Screen 2.0	my Home Screen 2.0	my Home Screen 2.0	my Home Screen 2.0	my Home Screen	my Home Screen			
Voice Assistant	Voice Assistant	Voice Assistant PRO	Voice Assistant	Voice Assistant	Voice Assistant	Voice Assistant	Voice Assistant	Voice Assistant	Voice Assistant *2	Voice Guidance			
Panasonic TV Remote 2 App	Remote App 2	Remote App 2	Remote App 2	Remote App 2	Remote App 2	Remote App 2	Remote App 2	Remote App 2	Remote App 2	Remote App 2			
Swipe & Share	4K Swipe & Share	4K Swipe & Share	4K Swipe & Share	4K Swipe & Share	4K Swipe & Share	4K Swipe & Share	4K Swipe & Share	4K Swipe & Share	Swipe & Share	Swipe & Share			
my Stream	my Stream	my Stream	my Stream	my Stream	my Stream	my Stream	my Stream	my Stream	my Stream *2				
TV Anywhere (except UK)	TV Anywhere	TV Anywhere	TV Anywhere	TV Anywhere	TV Anywhere	TV Anywhere	TV Anywhere	TV Anywhere	TV Anywhere *2				
Info Frame	Info Frame	Info Frame			Info Frame	Info Frame	Info Frame	Info Frame					
Touch Pad Remote	Touch Pad Remote	Touch Pad Remote	Touch Pad Remote	Touch Pad Remote	Touch Pad Remote	Touch Pad Remote							

*1 Except UK. *2 Not available with 32″.

SET YOUR MUSIC AND MOVIES FREE

As well as being flexible enough to handle more media formats, sources and connections than ever before, the 2015 Panasonic Home Audio Video range leaves no stone unturned in its bid to deliver the last word in picture and sound quality.

SMART WIRELESS AUDIO SYSTEMS

HOME CINEMA SYSTEMS

SOUNDBARS & SPEAKERBOARDS

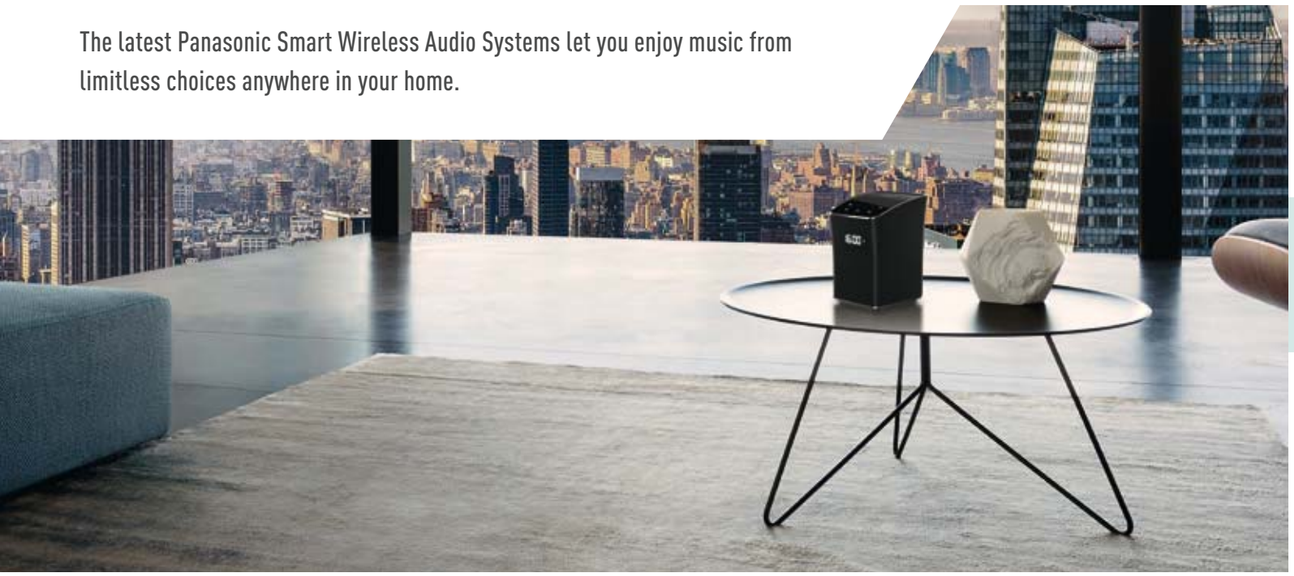
COMPACT MUSIC SYSTEMS

BLU-RAY RECORDER & PLAYERS

HEADPHONES

ALL YOUR MUSIC IN ALL YOUR ROOMS

The latest Panasonic Smart Wireless Audio Systems let you enjoy music from limitless choices anywhere in your home.



ALL SPEAKER SERIES

ANY SOURCE IN, GREAT SOUND OUT

Sound everywhere
You no longer have to be in the same room as your hi-fi or TV to listen to movie soundtracks and music.

The latest Panasonic ALL Series draw on Qualcomm ALLPlay technology to create a wireless network of high-performance speakers able to send pretty much any sound source to any room in your house without difficult and messy cable connections.

Party-Mode and Multi-Zone support
You can either listen to the same music in every room where you've got an ALL Speaker (Party-Mode) or you can listen to different music on each individual ALL Speaker (Multi-Zone Mode).

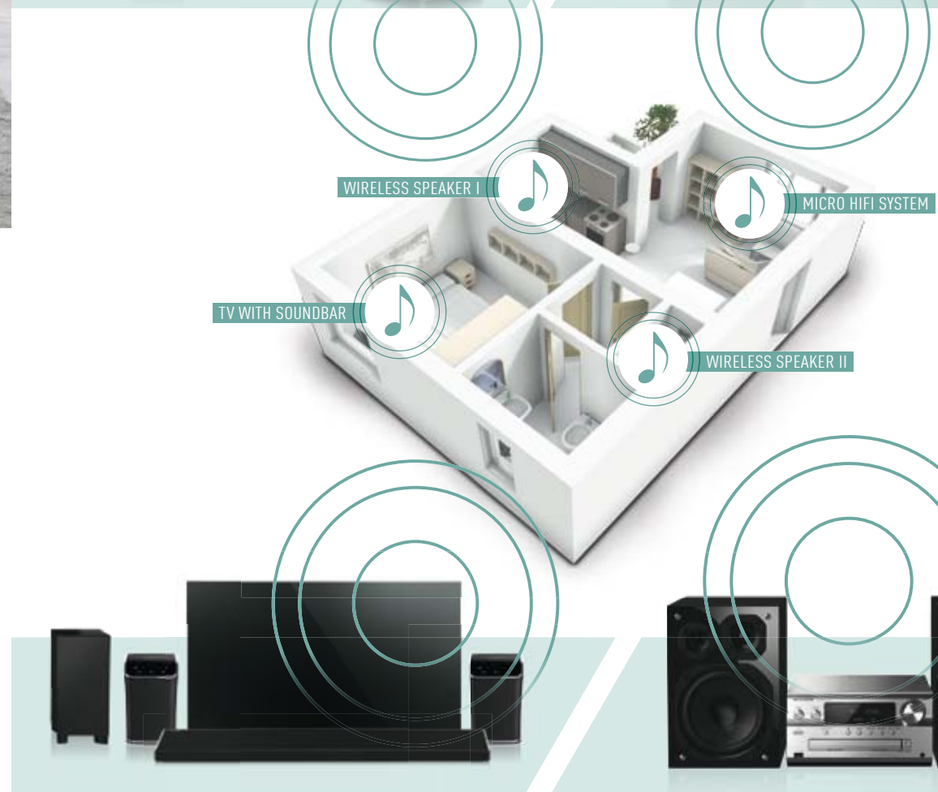
Exceptional versatility
The latest ALL Series Speakers can play your music in stunning quality from an incredible diversity of music sources, ranging from tablets, smartphones, PCs, networked hard drives, and online music streaming services to CDs, radio channels, TVs and Bluetooth®-enabled products. What's more, you can even send the sound from all these potential sources to further ALL Speakers anywhere in your home.

High-resolution music
The ALL Series can now provide CD-beating sound quality, courtesy of the PMX100's support of the FLAC high-resolution music format.

Qualcomm AllPlay · Wi Fi CERTIFIED · Bluetooth · NFC · FM · USB · CD

1. Stream sound files or video's audio content from your smart device
Watching music videos on video-sharing platforms on your tablet but want the sound to have much better quality than your portable device can deliver? Simply connect your tablet to your nearest ALL Speaker by Bluetooth®. Then, you could even forward your music to a separate ALL Speaker in another room.

2. Enjoy your CDs via multiple speakers
You want to listen to CDs upstairs, but your CD system and beloved CD collection are stored in your living room downstairs? With the Panasonic ALL5CD or PMX100, you can listen to your CDs and re-stream them 'live' and direct to all other ALL Speakers located in your house. There's no need to rip them to a PC or network hard drive first.



3. Set your TV sound free
There's a live concert on the TV in the living room, but you've got to cook in the kitchen. With the ALL70T soundbar you can stream the sound from your TV to an ALL Series Speaker in the kitchen. Another great TV sound feature lets you configure, for instance, ALL2 Speakers to work as rear or stereo speakers to accompany an ALL30T Speakerboard or ALL70T soundbar.

4. Listen to your favourite radio station anywhere in your home
You're listening to your favourite radio channel on a PMX100 in your study, but your partner wants to hear it in the living room, too? With no loss of quality you can send radio broadcasts directly to, say, an ALL2, ALL3 or ALL8 Speaker in your living room.

MUSIC STREAMING MADE SIMPLE

As well as being easy to set up, the Panasonic Music Streaming App integrates seamlessly with a wealth of music partners.

Adding ALLPlay Speakers to your Home Network
Step 1: Turn on your speaker, go to your smart device's Settings and look for the name of the speaker in your Wi-Fi list.
Step 2: Choose the ALLPlay speaker on the Wi-Fi list and give it a name. For example, Living Room, Kitchen, Study.
Step 3: Choose the wireless network you want to add the speaker to and input that network's password, if required.
Step 4: Pair or group your speakers to create the perfect sound in your home.

Fine tune your sound
You can now tweak the sound from all your ALL Series models to suit your tastes with a new Equalizer feature that lets you adjust the bass and treble levels independently for every speaker in your system.

Enjoy all the original features of music subscription services
You can access a wealth of subscription services from within the Panasonic Music Streaming App. Even better, the Panasonic Music Streaming App lets you use the native app menus of radio or music subscription services to ensure full functionality with each third-party platform.

Qualcomm AllPlay Radio powered by tunein · Spotify · napster · AUPEO! PERSONAL RADIO · AND MORE

ALLPlay Radio powered by tunein
Audio streaming platform developed to make it easier for ALLPlay-equipped multimedia devices to share files with each other.

Spotify
A digital music service with free and subscription options providing access to millions of songs.

napster
Subscription-based music service offering more than 25 million songs for streaming or download.

AUPEO!
An Internet radio service that can create personalised radio stations. Free and subscription tiers available.

SIMPLE SET UP

ADD SERVICES AND SPEAKERS IN SECONDS

Convenient Set-Up
If your router supports WPS, you can literally set up a wireless ALL Series speaker system at the press of a button.

Panasonic Music Streaming App
The new version of this app makes it even easier to take control of your whole ALL Series system and enjoy seamless access to numerous third-party music services. See our annotated guides to see just how easy it is to enjoy music wirelessly all around your home.

KEY ALL TECHNOLOGY: VERSATILITY MEETS SOUND QUALITY

CD and radio streaming
The 2015 Panasonic ALL5CD and PMX100 can convert CDs and FM / digital radio channels into streamable data in real time, so you can enjoy them live on ALL Speakers in other rooms with no need for an intermediary PC.

Premium speaker design
The new ALL2 model features an 80 mm full-range speaker with an audiophile design that lets it produce excellent bass and detail while keeping a compact design. The ALL5CD, meanwhile, features speakers with ultra-soft diaphragms to permit greater and more fluid movement, as well as a design that cancels distortion-causing internal vibrations.

LincsD-Amp technology
The ALL5CD features a new generation of the Panasonic LincsD-Amp technology. This does a better job than ever before of correcting jitter and power supply noise that can reduce the quality of digital music playback.

THE ALL SERIES: WELCOME TO THE AUDIO REVOLUTION

TENTATIVE

ALL2

SMART WIRELESS SPEAKER FOR MUSIC THROUGHOUT THE HOME

ALLPlay Wireless Speaker – use as stereo or surround sound system with other ALL Speakers to enhance your TV's audio
Easy to use – customise six one-touch buttons with your favourite programmes and Internet radio stations
Easy wireless re-streaming – enjoy video audio via your mobile device with Bluetooth® or via other ALL Series Speakers*
Highly versatile – use it to wake up in the morning, too, thanks to clock display, music alarm and snooze function
Enjoy music online – use via apps of popular music streaming services such as Spotify, napster and more

* Other ALL Series Speakers are optional and not included.

SC-ALL2 ○●

ALL8

POWERFUL SMART WIRELESS SPEAKER

Powerful sound – ALLPlay Wireless Speaker with integrated subwoofer and 80W (RMS) power output
Excellent Hi-Fi – fill even spacious interiors with sound thanks to five speakers, LincsD-Amp and XBS Master
Enjoy music online – use via apps of popular music streaming services such as Spotify, napster and more
Free your music – expand with other ALL Speakers to create your own music environment all through your home
Easy set-up – connect the system easily and conveniently to your existing Wi-Fi network

SC-ALL8 ●○

ALL3

FLEXIBLE SMART WIRELESS SPEAKER

Clear and natural sound – wireless music system with 40W (RMS) power output
Flexibility – set up in any room, vertical or horizontal, to ideally satisfy your personal sound preferences
Enjoy music online – use via apps of popular music streaming services such as Spotify, napster and more
Free your music – expand with other ALL Speakers to create your own music environment all through your home
Easy set-up – connect the system easily and conveniently to your existing Wi-Fi network

SC-ALL3 ●○

ALL1C

SMART WIRELESS CONNECTOR FOR EXISTING AUDIO DEVICES AND SPEAKERS

Easy connectivity – digital and analogue outputs let you enter your new multi-room streaming world
High audio standards – perfect transformation of digital into analogue signals, thanks to 192kHz / 24-bit DAC
Full control – directly from compatible music streaming service via the music subscription service app / Internet radio
Party-like atmosphere – stream music simultaneously to multiple speakers throughout the home with Party-Mode
Individual listening pleasure – stream multiple songs within the same network to separate speakers with Multi-Zone

SH-ALL1C ●

	Qualcomm AllPlay	Wi Fi CERTIFIED	Panasonic	Bluetooth	Lincs D-Amp	XBS Master	FLAC
SC-ALL2	•	•	•	•			•
SC-ALL8	•	•	•		•	•	•
SC-ALL3	•	•	•		•	•	•
SH-ALL1C	•	•	•			•	•

STUNNING SOUND WHEREVER YOU WANT IT

TENTATIVE

ALL5CD

SMART WIRELESS COMPACT SYSTEM WITH CD PLAYER

SC-ALL5CD ○

Great diversity – enjoy music from CDs, radio, your smartphone/tablet via Bluetooth®, USB and music streaming services
Free your music – send all your favourite music to other ALL Speakers* everywhere in your home
Easy wireless re-streaming – enjoy video audio via your mobile device with Bluetooth® or via other ALL Series Speakers*
CD-collection compatible – play your favourite CDs and listen to them via all other ALL Speakers in your home
Enjoy music online – use via apps of popular music streaming services such as Spotify, napster and more

* Other ALL Series Speakers are optional and not included.

ALL70T

SMART WIRELESS SOUNDBAR SYSTEM FOR MANY AUDIO OPTIONS

SC-ALL70T ●

Impressive sound – 3.1-channel soundbar system with wireless subwoofer and 350W (RMS) power output
Full TV action – send the TV's audio to other ALL Speakers* anywhere in your home
4K capability – with 4K signal pass-through via a 4K BD Player to your 4K TV with a HDMI cable
Easy connectivity – simply pair up with your smartphone, thanks to NFC™ and stream music via Bluetooth®
More powerful sound – boost your perfect home cinema sound to a 5.1 system, with two ALL2 speakers for the rear

* Other ALL Series Speakers are optional and not included.

ALL30T

SMART WIRELESS SPEAKERBOARD FOR VARIOUS SOUND OPTIONS

SC-ALL30T ●

Powerful sound – 2.1-channel speakerboard with 200W (RMS) power output and powerful bass sound
Full TV action – send the TV's audio to other ALL Speakers* anywhere in your home
4K capability – with 4K signal pass-through via a 4K BD Player to your 4K TV with a HDMI cable
Easy connectivity – simply pair up with your smartphone, thanks to NFC™ and stream music via Bluetooth®
Enjoy music online – use via apps of popular music streaming services such as Spotify, napster and more

* Other ALL Series Speakers are optional and not included.

	Qualcomm AllPlay	Wi Fi CERTIFIED	Panasonic	Bluetooth	NFC	Lincs D-Amp	XBS Master	FLAC	HDMI
SC-ALL5CD	•	•	•	•	•	•	•	•	
SC-ALL70T	•	•	•	•	•			•	•
SC-ALL30T	•	•	•	•	•			•	•

HI-FI SOUND MEETS UNPRECEDENTED FLEXIBILITY

PMX100

HI-FI MUSIC SYSTEM WITH BREATHTAKING HIGH-RES MUSIC

High-resolution sound – Hi-Fi system delivering premium sound quality and ALL Series compatible
Powerful audio – high-quality 3-way speaker using a 100kHz super sonic tweeter and with 120W power output
Perfect playback capability – get unrivalled sound quality with high-resolution music, and full listening flexibility
Ultimate flexibility – enjoy popular online streaming services such as Spotify, napster and more
Great diversity – enjoy your CDs, favourite music or DAB+ digital radio* via Bluetooth®, AirPlay, DLNA, USB or Stereo Cinch

* Functionality varies from country to country.

SC-PMX100

PMX70

HI-FI MUSIC SYSTEM WITH HIGH-RES MUSIC PLAYBACK

Hi-Fi system – delivers impressive sound in high-resolution, thanks to new LinsD-Amp technology
Rich audio – high-quality 3-way speaker delivering 120W power output
Easy connectivity – simply pair the system with your smartphone, thanks to NFC™ and Bluetooth® music streaming
Great diversity – enjoy your CDs, favourite music or DAB+ digital radio* via Bluetooth®, USB or Stereo Cinch
Sleek design – with a high-quality aluminium front panel

* Functionality varies from country to country.

SC-PMX70

PMX100	•	•	•	•	•	•	•
PMX70				•	•	•	•

TENTATIVE

ALL5CD

SMART WIRELESS COMPACT SYSTEM WITH CD PLAYER

Great diversity – enjoy music from CDs, radio, your smartphone/tablet via Bluetooth®, USB and music streaming services
Free your music – send all your favourite music to other ALL Speakers* everywhere in your home
Easy wireless re-streaming – enjoy video's audio via your mobile device with Bluetooth® or via other ALL Series Speakers*
CD-collection compatible – play your favourite CDs and listen to them via all other ALL Speakers in your home
Enjoy music online – use via apps of popular music streaming services such as Spotify, napster and more

* Other ALL Series Speakers are optional and not included.

SC-ALL5CD ○

HC49/39

SLEEK, ADVANCED COMPACT MICRO SYSTEM WITH BLUETOOTH®

Full multi-source compatibility – enjoy your CDs and the radio, or music via USB, wireless Bluetooth® or iPhone 5s/5c and iPad
Powerful, clear sound – with XBS Master, LincsD-Amp, Dual Passive Radiator, Pure Direct Sound System Technology
Mirror-finish design – adds a touch of beauty to any room, perfectly enriching your home's interior décor
Made for iPhone – play back music stored on your iPhone 5s/5c and recharge it at the same time
Easy wireless connectivity – thanks to wireless Bluetooth® connection via Near Field Communication (NFC)

SC-HC49 ●●●
SC-HC49DAB ●●●
SC-HC39 ●●●
SC-HC39DAB ●●●

	Qualcomm AllPlay	Wi Fi CERTIFIED	Bluetooth	NFC	Panasonic	XBS Master	FM	RDS
ALL5CD	•	•	•	•	•	•	•	•
SC-HC49			•	•	•	•	•	•
SC-HC39			•	•	•	•	•	•

HC29/19

SLIM, COMPACT MICRO SYSTEM WITH BLUETOOTH®*

High multi-source compatibility – enjoy your CDs and the radio, or music via USB or wireless Bluetooth®* streaming
Clear, dynamic sound – delivered by XBS Master and Pure Direct Sound System
Slim design – enriches your home's interior décor, on any shelf or on the wall, in black or white
Easy wireless connectivity – thanks to wireless Bluetooth® connection via Near Field Communication (NFC)

* SC-HC29 only.

SC-HC29 ●○
SC-HC29DB ●
SC-HC19 ●○

RF-D10

COMPACT, STYLISH DAB/DAB+ PORTABLE RADIO

Modern radio reception – enjoy excellent digital quality with DAB/DAB+
Convenient, easy operation – customise with ten-channel memory and quick Select knob
High-quality sound – compact yet powerful 10 cm speaker and five equaliser presets
Easy viewing – use the radio even in poor lighting conditions, thanks to the white blacklight LCD

RF-D10 ●○

	Bluetooth	NFC	Panasonic	XBS Master	FM	RDS
SC-HC29	•	•	•	•	•	•
SC-HC19				•	•	•
RF-D10					•	•

HTB885

DISCOVER DYNAMIC 5.1 SURROUND HOME CINEMA

Impressive sound – 5.1-channel surround soundbar system with wireless subwoofer and 500W (RMS) power output
4K capability – with 4K signal pass-through via a 4K BD Player to your 4K TV with a HDMI cable
Easy connectivity – simply pair up with your smartphone, thanks to NFC™ and stream music via Bluetooth®
Full convenience – enjoy easy set-up and home cinema entertainment with VIERA Link
Outstanding connectivity options – 2× HDMI input, 1× HDMI output (with ARC) and 1× optical-digital audio input

SC-HTB885 ●

ALL70T

SMART WIRELESS SOUNDBAR SYSTEM FOR MANY AUDIO OPTIONS

Impressive sound – 3.1-channel soundbar system with wireless subwoofer and 350W (RMS) power output
Full TV action – send the TV's audio to other ALL Speakers* anywhere in your home
4K capability – with 4K signal pass-through via a 4K BD Player to your 4K TV with a HDMI cable
Easy connectivity – simply pair up with your smartphone, thanks to NFC™ and stream music via Bluetooth®
More powerful sound – boost your perfect home cinema sound to a 5.1-system, with two ALL2 Speakers for the rear

* Other ALL Series Speakers are optional and not included.

SC-ALL70T ○

HTB690

RICH 3.1-CHANNEL SOUND AND CLEAR DIALOGUE

Powerful and stylish – 3.1-channel soundbar system with wireless subwoofer and 350W (RMS) power output
4K capability – with 4K signal pass-through via a 4K BD Player to your 4K TV with a HDMI cable
Easy connectivity – simply pair up with your smartphone, thanks to NFC™ and stream music via Bluetooth®
Full convenience – enjoy easy set-up and home cinema entertainment with VIERA Link
Great connectivity options – 1× HDMI input, 1× HDMI output (with ARC) and 1× optical-digital audio input

SC-HTB690 ●

HTB485

HIGH-QUALITY 2.1 SOUND MEETS MODERN DESIGN

Breathtaking experience – 2.1-channel soundbar system with wireless subwoofer and 250W (RMS) power output
Easy connectivity – simply pair up with your smartphone, thanks to NFC™ and stream music via Bluetooth®
Full convenience – enjoy easy set-up and home cinema entertainment with VIERA Link
Great connectivity options – 1× HDMI input, 1× HDMI output (with ARC) and 1× optical-digital audio input
Flexible set-up – mount on the wall or place below your VIERA, perfect for TVs starting from 42˝ diagonal

SC-HTB485 ●

	VIERA Link	4K PASS THROUGH	Bluetooth	NFC	HDMI	Qualcomm AllPlay	Wi Fi CERTIFIED
SC-HTB885	•	•	•	•	• (×2)		
SC-ALL70T	•	•	•	•	•	•	•
SC-HTB690	•	•	•	•	•		
SC-HTB485	•		•	•	•		

HTB170

2.1-CHANNEL SOUND IN A FLEXIBLE SET-UP

SC-HTB170

Sleek system – enjoy powerful 2.1-channel sound with 120W (RMS) power output
Flexible home cinema – thanks to four-way, multi-angle soundbar positioning
Wireless convenience – listen to your music collection without the hassle of wires, thanks to Bluetooth®
Clear bass – the anti-vibration subwoofer is built-in
Crisp dialog – Clear Dialog mode ensures every word is heard clearly

HTB8

2-CHANNEL SOUND SYSTEM WITH 80W POWER OUTPUT

SC-HTB8

2-channel, 80W sound system – powerfully supports your TV's audio
Bluetooth® technology – for easy wireless pairing with compatible devices
Panasonic Music Streaming App – to easily control your home music network
Delta Form Design – engineered to deliver superb sound and optimally fit under TVs with short stands

GLASS TOP PANEL DESIGN

ALL30T

SMART WIRELESS SPEAKERBOARD FOR VARIOUS SOUND OPTIONS

SC-ALL30T

Powerful sound – 2.1-channel speakerboard with 200W (RMS) power output and powerful bass sound
Full TV action – send the TV's audio to other ALL Speakers* anywhere in your home
4K capability – with 4K signal pass-through via a 4K BD Player to your 4K TV with a HDMI cable
Easy connectivity – simply pair up with your smartphone, thanks to NFC™ and stream music via Bluetooth®
Enjoy music online – use via apps of popular music streaming services, such as Spotify, napster and more

* Other ALL Series Speakers are optional and not included.

GLASS TOP PANEL DESIGN

HTE200

GET HIGH-QUALITY 2.1-CHANNEL SOUND FOR YOUR TV

SC-HTE200

Elegant power play – 2.1-channel speakerboard with 200W (RMS) power output
4K capability – with 4K signal pass-through via a 4K BD Player to your 4K TV with a HDMI cable
Dynamic, powerful bass – thanks to the dual integrated subwoofer and long Aero Stream Port
Easy connectivity – simply pair up with your smartphone, thanks to NFC™ and stream music via Bluetooth®
Full convenience – enjoy easy set-up and home cinema entertainment with VIERA Link

HTE80

COMPACT SPEAKERBOARD WITH POWERFUL SOUND

SC-HTE80

Dynamic, deep bass – delivered by two subwoofers and two Aero Stream Ports
Flat and compact design – fits easily under your TV or inside a rack
Easy wireless set-up – enjoy your TV's audio or music on your smartphone via Bluetooth® with NFC
Flexibility – HDMI and optical input slots let you conveniently hook up other devices
Full convenience – enjoy easy set-up and home cinema entertainment with VIERA Link

	VIERA Link	4K PASS THROUGH	Bluetooth	NFC	HDMI	Qualcomm AllPlay	Wi Fi CERTIFIED
SC-HTB170	•		•		•		
SC-HTB8			•		•		
SC-ALL30T		•	•	•	•	•	•
SC-HTE200	•	•	•	•	•		
SC-HTE80	•		•	•	•		

ICONIC TOWERS OF POWER

4K ULTRA HD UPSCALING

BTT865*

BTT885

BTT505*

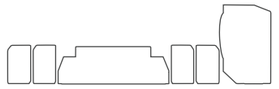
BTT885

SUPERIOR 3D BLU-RAY™ SYSTEM FEATURING SLEEK ALUMINIUM DESIGN

Advanced 3D Cinema Surround with 1,200W output – delivering a true-to-life surround sound experience
4K Ultra HD Up-Scaling from Full HD 3D Blu-ray – immerse yourself in the sharpest action
Bluetooth® with One-Touch Connection (NFC), Miracast™ and DLNA – for easy, advanced smart networking
Wi-Fi Built-in and USB connection for iPod / iPhone – give you full connectivity options for AV entertainment
Full flexibility – place the wireless rear speakers anywhere in the room without any cable clutter

SC-BTT885 ●
SC-BTT865* ●
SC-BTT505* ●

* The home cinema systems BTT865 and BTT505 have the same features as the BTT885 but differ in the height of the speakers.



BTT405*

BTT465

POWERFUL 3D BLU-RAY™ SYSTEM DELIVERING RICH SURROUND SOUND

5.1-channel rich surround with 1,000W output – five speakers fully unite your home cinema experience
Full HD 3D playback – enjoy dynamic 3D movies faithful to the original
Powerful Bassreflex Subwoofer – guarantees exciting blockbuster action scenes
Bluetooth® with One-Touch Connection (NFC) – easy wireless set-up for enjoying smartphone / tablet audio

SC-BTT465 ●
SC-BTT405* ●

* The home cinema system BTT405 has the same features as the BTT465 but differs in the height of the speakers.

BTT105

ESSENTIAL 3D BLU-RAY™ SYSTEM WITH BLUETOOTH®

Full HD 3D playback – enjoy dynamic 3D movies, faithful to the original
2.1-channels with Dolby Pro Logic® II – for a virtual surround sound experience
Powerful Bassreflex Subwoofer – guarantees exciting blockbuster action scenes
Bluetooth® with One-Touch Connection (NFC) – easy wireless set-up for enjoying smartphone / tablet audio

SC-BTT105 ●

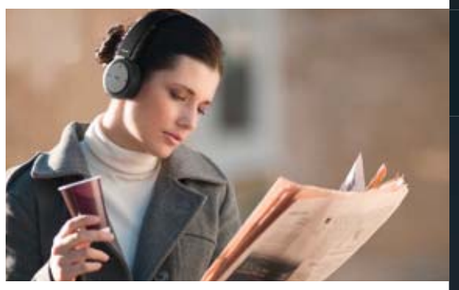
	4K Ultra HD Upscaling	Blu-ray 3D	3D Cinema Surround	Wi-Fi Built-in	Bluetooth	NFC	Internet Apps
SC-BTT885 / 865	•	•	•	•	•	•	•
SC-BTT505	•	•	•	• (Wi-Fi Ready)	•	•	•
SC-BTT465 / 405		•		• (Wi-Fi Ready)	•	•	• (Simple)
SC-BTT105		•		• (Wi-Fi Ready)	•	•	• (Simple)

MUSIC TO YOUR EARS

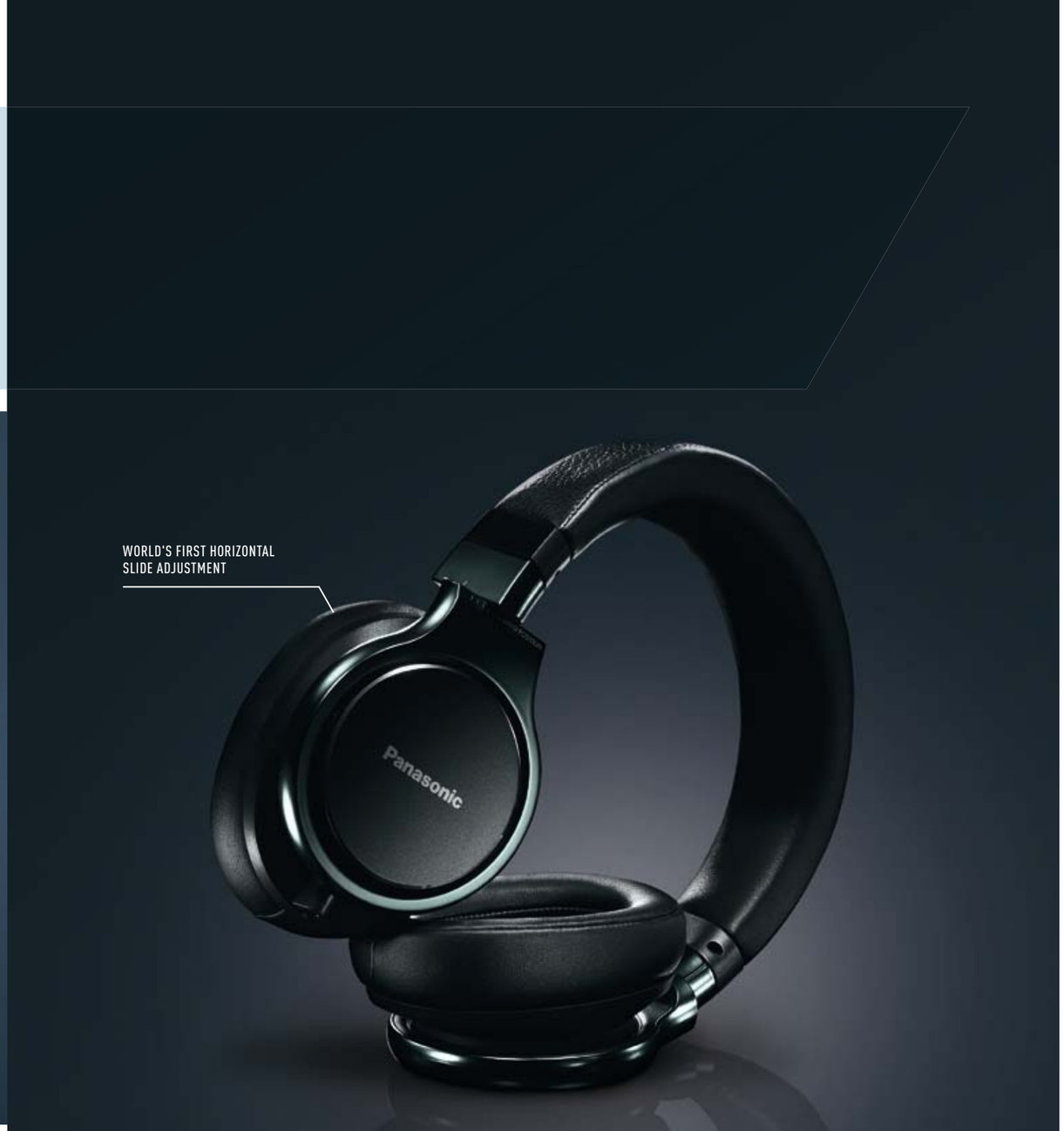
Whether you're a quality-obsessed audiophile, a long-distance traveller or a nature lover looking for music to keep you company in the great outdoors, the latest Panasonic headphone range has a model perfectly suited to your needs.

When only the best will do
Become totally immersed in your favourite album by playing it in high resolution into the luxuriously comfortable Panasonic HD10s.

Make long journeys fly by
With their compact in-ear designs and innovative axial drive technology, the Panasonic HJX20 and HJX5 headphones are ideal travelling companions.



Out and about
Cable-free Bluetooth® connection to your smartphone or tablet and a comfortable on-ear fit make the BTD5s the perfect solution for on-foot music lovers.



HD10

High Res SOUND

RP-HD10 ○

PREMIUM CIRCUMAURAL HEADPHONES

High-Resolution Sound – handles frequencies from 4Hz to 50kHz so you can hear even the finest details
Premium build – 50 mm high definition driver unit produces low bass sounds and extraordinarily clear treble
Optimum fit – ergonomic 3D-designed ear pads ensure that you can listen in comfort by reducing external noise
Technology – visible multi-layer film diaphragm and anti-vibration driver reproduce highly precise sound output

SET YOUR EARS FREE WITH BLUETOOTH

BTD5

CUTTING-EDGE BLUETOOTH® STEREO HEADPHONES

Powerful sound – premium 40 mm Neodymium driver units for dynamic bass, clear vocals and mid- to high-frequency trebles
Wireless freedom – enjoy music anywhere without the hassle of wires, thanks to Bluetooth® technology
Long listening pleasure – high-capacity Lithium-ion battery provides 40 hours of music playback
Easy wireless connectivity – thanks to One-Touch Sync with Bluetooth® and NFC™
Full convenience – the remote microphone and control buttons are built-in

RP-BTD5 ○

Bluetooth

HJX20

PREMIUM IN-EAR HEADPHONES WITH DUAL AXIAL DRIVE

Rich, powerful bass – enjoy premium sound, thanks to 13.5 mm dual axial drivers and bass boost chamber
Clear listening pleasure – large aluminium alloy housing and high-grade oxygen-free copper cord minimise distortion
Comfortable fit – new ear piece and long audio port offer superior noise isolation

RP-HJX20 ●

HJX5

NEW-DESIGN IN-EAR HEADPHONES

High-quality sound – enjoy powerful bass thanks to 12 mm coaxial dual magnet driver and bass boost chamber
Clear listening pleasure – large aluminium housing ring minimises distortion for more balanced sound
Comfortable fit – new ear piece and long audio port offer superior noise isolation

RP-HJX5 ●
RP-HJX5 ●
RP-HJX5 ●

THE BEAUTY IS IN THE DETAIL

The latest Panasonic Blu-ray family adds a new world of Ultra HD quality to its acclaimed convenience features.

SPECTACULAR PICTURES AND SOUND

4K Upscaling
The AV world is buzzing right now with talk of 4K Ultra HD: a picture resolution that provides four times as many pixels of video information as the usual HD format to give you pictures with much more detail, texture, clarity and depth.

With 4K Ultra HD televisions already widely available (see the TV section of this brochure for details on the new Panasonic 4K UHD TV collection), Panasonic has drawn on its decades of video processing experience to build high quality 4K upscaling systems into its latest Blu-ray recorders. This means you can now enjoy beautiful 4K images from both your Blu-ray collection and your own home movies.

High-Resolution Audio
The high-quality audio formats FLAC, WMA and WAV can all be played by Panasonic Blu-ray recorders. In addition, the recorders feature a Pure Sound Mode which can be used when listening to music to stop all mechanical activity in the HDD and tuner areas – as well as minimise cooling fan movement – to enhance sound quality.

BLU-RAY RECORDER FEATURES

TV Anywhere
Many of the latest Panasonic Blu-ray recorders can send recordings and live TV broadcasts over the Internet to your smartphone or tablet no matter where in the world you are. All you need is a network connection.

Remote Recording
Many Panasonic Blu-ray recorders let you set up recordings using your smartphone, tablet or PC. This means you can browse channel listings and select shows to record on your second screen without interrupting your main TV viewing. What's more, if you download the DIGA Player App you can set up recordings even when you're away from home!

Keyword Recording
This feature makes setting up recordings easier by letting you simply input favourite keywords. For instance, type in 'Football' and your DIGA recorder will search through the TV listings and automatically record any related programmes.

MULTI-TALENTED RECORDERS

DMR-BST940

BLU-RAY™ RECORDER

WITH 2TB, 1TB, 500GB OR 250GB HDD

DMR-BCT745

Ultimate viewing and recording – experience Full HD 3D and 4K entertainment, and archive onto Blu-ray Disc
TV Anywhere – lets you watch both recorded programmes and live broadcasts on your smartphone or tablet
Triple or Twin HD Tuner – lets you simultaneously record up to three programmes in stunning HD (depending on model)
Remote Recording – use your smartphone or tablet anywhere to set up timer-recording of TV programmes

*1 For Germany, Austria and Switzerland only. *2 For UK only. *3 For France, Spain and Italy only.

DMR-BST940*1, DVB-S, 2TB
DMR-BCT940*1, DVB-C, 2TB
DMR-BST845*1, DVB-S, 1TB
DMR-BCT845*1, DVB-C, 1TB
DMR-BST745*1, DVB-S, 500GB
DMR-BCT745*1, DVB-C, 500GB
DMR-BST740*1, DVB-S, 500GB
DMR-BCT740*1, DVB-C, 500GB
DMR-BWT740*2, DVB-T, 1TB
DMR-BWT745*3, DVB-T, 500GB
DMR-BWT640*3, DVB-T, 250GB

	4K Ultra HD Upscaling	Remote Recording	TV Anywhere	Keyword Recording	Internet Apps	Wi-Fi Built-in
DMR-BST940 / DMR-BCT940	•	•	•	•	•	•
DMR-BST845 / DMR-BCT845	•	•	•	•	•	•
DMR-BST745 / DMR-BCT745	•	•	•		•	•
DMR-BST740 / DMR-BCT740	•	•	•		•	•
DMR-BWT740	•	•			•	•
DMR-BWT745	•	•			•	•
DMR-BWT640		•			•	• (Wi-Fi Ready)

HDD RECORDER

AND 3D BLU-RAY PLAYER WITH 1TB, 500GB OR 250GB HDD

DMR-PWT635*1, DVB-T, 1TB
DMR-PWT530*1, DVB-T, 500GB
DMR-PWT535*2, DVB-T, 250GB

Outstanding viewing and recording – experience Full HD 2D and 3D entertainment and store onto the built-in HDD
Highly convenient – view the EPG on your smartphone or tablet and set up recordings, all while watching TV
Full flexibility – record two programmes simultaneously in HD with the Twin HD Terrestrial Tuner
Numerous online applications – enjoy exploring with Internet Apps

*1 For UK only. *2 For France, Spain and Italy only.

	Remote Recording	Wi-Fi Built-in	Internet Apps	dlna Certified	BD DVD CD Playback	MKV Playback
DMR-PWT635	•	•	•	•	•	•
DMR-PWT530	•	• (Wi-Fi Ready)	•	•	•	•
DMR-PWT535	•	•	•	•	•	•

DMR-HST130

HDD RECORDER

WITH 1TB OR 500GB HDD

DMR-HST230

DMR-HWT230*1, DVB-T, 1TB
DMR-HWT130*1, DVB-T, 500GB
DMR-HST230*2, DVB-S, 1TB
DMR-HCT230*2, DVB-C, 1TB
DMR-HST130*2, DVB-S, 500GB
DMR-HCT130*2, DVB-C, 500GB

Excellent recording – store 2D and 3D High Definition entertainment onto the built-in HDD
Highly convenient – view the EPG on your smartphone or tablet and set up recordings, all while watching TV
Full flexibility – record two programmes simultaneously in HD with the Twin HD Terrestrial Tuner
Numerous online applications – enjoy exploring with Internet Apps

*1 For UK only. *2 For Germany, Austria and Switzerland only.

	Remote Recording	Wi-Fi Built-in	Internet Apps	dlna Certified	MKV Playback	Miracast™
DMR-HWT230	•	•	•	•	•	
DMR-HWT130	•	• (Wi-Fi Ready)	•	•	•	
DMR-HST230	•	•	•	•	•	•
DMR-HCT230	•	•	•	•	•	•
DMR-HST130	•	•	•	•	•	•
DMR-HCT130	•	•	•	•	•	•

MAKE YOUR LIFE BETTER WITH BLU-RAY

The THX Certified* Panasonic Blu-ray Disc Player reproduces pictures and sounds with the same detail and clarity as found in the filmmakers studio.

EISA AWARD Best Product 2014-2015 BLU-RAY PLAYER Panasonic DMP-BDT700

BDT700

PREMIUM BLU-RAY™ PLAYER FOR EXTRAORDINARY SOUND AND IMAGES

DMP-BDT700

4K 60p output, 4K Direct Chroma Upscaling and 4K JPEG Playback – for ultimate Ultra HD entertainment
4× 192kHz / 32-bit digital / analogue converters and 96Hz Surround Re-Master – deliver true-to-life audio
Miracast™ – enjoy your smartphone and tablet content on the large-screen TV
Internet Apps support – gives you more viewing enjoyment with video on demand and Web Browsing

BDT460

SLEEK BLU-RAY™ PLAYER WITH BROAD NETWORKING FEATURES

DMP-BDT460

4K Ultra HD Upscaling and 4K JPEG Playback – for premium Ultra HD entertainment
Miracast™ – enjoy your smartphone and tablet content on the large-screen TV
Internet Apps support – gives you more viewing enjoyment with video on demand and Web browsing
Slim design – with hairline finish and half-mirror aesthetics to complement any interior décor

	4K Ultra HD Upscaling	Blu-ray 3D	2D 3D Conversion	Wi-Fi Built-in	dlna	Internet Apps	HDMI x2
DMP-BDT700	•	•	•	•	•	•	•
DMP-BDT460	•	•	•	•	•	•	•

BDT370 / 71

SLEEK AND SMART BLU-RAY™ ENTERTAINMENT

DMP-BDT370 ●
DMP-BDT371 ◐

Premium Ultra HD entertainment – thanks to 4K Ultra HD Upscaling and 4K JPEG Playback
Breathtaking images – marvel at stunning movies or your favourite series on Blu-ray in perfect Full HD 2D and 3D quality
Easy networking – integrated Wi-Fi gives you convenient access to Internet Apps, DLNA, Miracast™ and many more
Quick and convenient – enjoy fast response and operation, thanks to Dual-Core Processor and HDMI-CEC
Full flexibility – conveniently play back films, photos and music from diverse media such as USB, SD or PC / NAS

BDT270 / 71

DISCOVER BLU-RAY™ ENTERTAINMENT WITH WI-FI NETWORKING

DMP-BDT270 ●
DMP-BDT271 ◐

Outstanding Ultra HD entertainment – get 4K viewing with any film or show, thanks to 4K Ultra HD Upscaling
Breathtaking images – marvel at stunning movies or your favourite series on Blu-ray in perfect Full HD 2D and 3D quality
Easy networking – integrated Wi-Fi gives you convenient access to Internet Apps, DLNA, Miracast™ and many more
Quick and convenient – enjoy fast response and operation, thanks to Dual-Core Processor and HDMI-CEC
Full flexibility – conveniently play back films, photos and music from diverse media such as USB, SD or PC / NAS

	4K Ultra HD Upscaling	Blu-ray 3D	2D 3D Conversion	Wi-Fi Built-in	dlna Certified	Web Browser	Internet Apps
DMP-BDT370 / 71	•	•	•	•	•	•	•
DMP-BDT270 / 71	•	•	•	•	•	•	•

BDT170 / 71

GET STARTED WITH 4K AND 3D BLU-RAY™

DMP-BDT170 ●
DMP-BDT171 ◐

Ultra HD entertainment – enjoy up to four times the resolution with 4K UHD, delivering breathtaking picture quality
More entertainment – use interesting Internet Apps to watch news or films, surf the Internet or play games
Flexibility – conveniently play back films, photos and music stored on USB or via your DLNA or home network
Easy integration – connect to your home network via LAN for truly smart networking and more enjoyment
Quick and convenient – enjoy fast response and operation, thanks to Dual-Core Processor and HDMI-CEC

BDT165 / 66

COMPACT 3D BLU-RAY™ PLAYER FOR ANY ROOM

DMP-BDT165 ●
DMP-BDT166 ◐

Breathtaking images – marvel at stunning movies or your favourite series on Blu-ray in perfect Full HD 2D and 3D quality
Full HD films – thanks to Full HD Upscaling whenever you enjoy your DVD collection
Smart access – enjoy interesting Internet apps such as Facebook, Twitter or YouTube directly on your TV
Easy integration – connect to your home network via LAN for truly smart networking and more enjoyment
Flexibility – conveniently play back films, photos and music stored on USB or an external HDD

BD83

ESSENTIAL, FULLY FEATURED BLU-RAY™ PLAYER

DMP-BD83 ●◐

Ultimate playback – be extremely flexible with Xvid, MKV, MP4, FLAC, MP3 and AAC playback options
Smart access – enjoy interesting Internet Apps such as Facebook, Twitter or YouTube directly on your TV
Flexibility – conveniently play back films, photos and music stored on an external HDD
Super-compact design – place anywhere in any room for maximum set-up flexibility
Save energy – thanks to low power consumption

	4K Ultra HD Upscaling	Blu-ray 3D	2D 3D Conversion	Wi-Fi Built-in	dlna Certified	USB	Web Browser	Internet Apps
DMP-BDT170 / 71	•	•	•	• (Wi-Fi Ready)	•	•	•	•
DMP-BDT165 / 66				• (Wi-Fi Ready)		•		•
DMP-BD83						•		• (Simple)

ALL – SMART WIRELESS AUDIO SYSTEMS TECHNOLOGY COMPARISON

ALL2

ALL3

ALL8

ALL5CD

PMX100

ALL30T

ALL70T

	ALL SERIES						
MODEL	ALL2	ALL3	ALL8	ALL5CD	PMX100	ALL30T	ALL70T
GENERAL							
Qualcomm ALLPlay	●	●	●	●	●	●	●
Panasonic Streaming App	●	●	●	●	●	●	●
Total Output Power	40W	40W	80W	40W	120W	200W	350W
SOUND FEATURES							
Digital Amp Solution		Lincs D-Amp™	Lincs D-Amp™	Lincs D-Amp™	Lincs D-Amp™	Lincs D-Amp™	Lincs D-Amp™
Bass System		XBS Master	XBS Master	XBS Master	XBS Master	H.BASS	H.BASS
FLAC	●	●	●	●	●	●	●
High Res					●		
SMART NETWORKING							
Wi-Fi Certified	●	●	●	●	●	●	●
Bluetooth®	●			●	●	●	●
NFC				●	●	●	●
USB				USB	USB DAC		
AirPlay					●		
STREAMING PARTNERS							
Spotify	●	●	●	●	●	●	●
napster	●	●	●	●	●	●	●
Aupeo!	●	●	●	●	●	●	●
Qualcomm Radio tunein	●	●	●	●	●	●	●
TUNER							
RDS				●	●		
DAB+				●	●		
FM				●	●		

BLU-RAY RECORDER AND PLAYER TECHNOLOGY COMPARISON

	PREMIUM BLU-RAY DISC RECORDER			PREMIUM BLU-RAY DISC PLAYER				
MODEL	BST940 (2TB) BST845 (1TB) BST745 (500GB) BST740 (500GB)	BCT940 (2TB) BCT845 (1TB) BCT745 (500GB) BCT740 (500GB)	BWT740 (1TB) BWT745 (500GB) BWT640 (250GB)	BDT700	BDT460 BDT465	BDT370 BDT371	BDT270 BDT271	BDT170 BDT171 BDT174 BDT175
PICTURE & SOUND QUALITY								
4K Upscaling	●	●	●	●	●	●	●	●
4K JPEG Playback	●*1	●*1		●	●	●		
2D / 3D Mode	●	●	●	●	●	●	●	●
EASY OPERATION								
VIERA Link / HDMI-CEC	●	●	●	●	HDMI CEC	HDMI CEC	HDMI CEC	HDMI CEC
Remote Recording	●	●	●					
Keyword Recording	●*1	●*1						
TV Anywhere	●	●						
SMART NETWORKING								
Internet Apps	●	●	●	●	●	●	●	●
DLNA	●	●	●	●	●	●	●	●
USB	USB x2	USB x2	USB x2	USB x2	USB	USB	USB	USB
HDMI	●	●	●	HDMI x2	HDMI x2	●	●	●
Wi-Fi	●	●	●	●	●	●	●	
SD Slot	●	●	●	●				
Receiver	●	●	●					
Triple HD Tuner	●*2	●*3						
Twin HD Tuner	●*4	●*5	●*6					

*1 Only BST940/845, BCT940/845. *2 Only BST940. *3 Only for BCT940. *4 Only BST845/745/740. *5 Only BCT845/745/740. *6 Only BWT740/745.

ICON GLOSSARY 2015
VIERA LED TVs

TECHNOLOGY

4K ULTRA HD Pro: Professional-grade picture technology, the new 4K Studio Master Processor is based on unrivalled Panasonic picture processing know-how. It has been engineered to deliver the best possible picture quality, true to the director's intentions. Together with Wide Colour Phosphor technology, it ensures VIERA TVs reproduce accurate colours, fine blacks and brilliant brightness.

ULTRA HD: The Ultra HD (UHD) logo is the official industry logo developed by DIGITAL EUROPE. TVs featuring this official logo must meet UHD requirements, like all 4K UHD VIERA TVs. They are proven to provide true Ultra HD picture quality and connectivity in line with the high standards.

VIERA: The name for the Panasonic range of high-quality TVs, VIERA is known around the world for amazing picture quality and easy-to-use features that make your home entertainment experience better than ever.

4K Ultra HD Upscaling: This digital video format boosts conventional Full HD media to the next generation of TV resolution, which is four times higher than Full HD – delivering breathtaking image and sound quality.

Full HD: Full High Definition (HD) offers an amazing resolution of 1,920 × 1,080 – in contrast, PAL offers 720 × 576 and NTSC 720 × 480. This means you can enjoy Full HD programmes and films with sharp, dynamic images and brilliant colour.

LED: VIERA panel featuring LED backlight technology and a slim chassis with narrow bezel. The panel provides excellent motion picture quality while consuming less energy, complemented by a design that delivers style to any interior.

IPS LED: Panasonic LED panels employ the latest liquid crystal material, with higher light output and a highly efficient LED backlight – resulting in super low-power consumption without compromising picture quality or features.

PICTURE QUALITY

4K Pure Direct: During 4K signal transmission to the TV via HDMI, colour information is slightly compromised, resulting in less-than-ideal colour shading and gradation. With 4K Pure Direct, all colour information and full resolution is transmitted to the TV, so that the picture retains its crisp, rich colours as intended in 4K Ultra HD.

THX 4K Display: With VIERA panels featuring THX 4K Display, you can be sure of experiencing the original image quality of a movie just as the filmmakers intended – in spectacular 4K. These VIERA TVs have cleared the high standards for 4K set by the THX® Certified Display Programme.

3D: If you want to enjoy hassle-free 3D films at home, then Panasonic has the ideal solution for you. Optimal for a high-grade VIERA LED TV featuring 3D rendering, and you'll get brilliant 3D entertainment with HD image quality.

Local Dimming: To ensure robust blacks and delicate gradation with any film genre, a range of VIERA TVs feature Local Dimming. Rich gradation is achieved by matching the backlight control and optimising the brightness level to each area. This enables deeper black expression and displays even tiny details in dark scenes with crisp clarity.

Dynamic Range Remaster: During film recording, brightness and colour data are compressed. So, you can enjoy the full impact of Hollywood blockbusters or your favourite TV shows, this data is restored during playback, thanks to Dynamic Range Remaster. Colour data is likewise maintained and the contrast is boosted to provide brilliant, vivid images.

Ultimate Contrast: The cutting-edge VIERA AX900 series features Ultimate Contrast, delivering ultra-bright images and impressive black levels. To achieve this, it combines innovative direct LED backlight technology with local dimming and intelligent rendering drivers.

Supreme Contrast: Several high-end VIERA TVs feature Supreme Contrast, which delivers spectacular levels of deep black with bright, crisp images. It does this by combining cutting-edge Panasonic panel technology with innovative LED backlight featuring Local Dimming.

Brilliant Contrast: To give you great contrast with bright images, deep black levels and low power consumption, many VIERA TVs feature Brilliant Contrast. It combines innovative panel and LED backlight technologies for an immersive home cinema viewing experience.

High Contrast: VIERA TVs with High Contrast deliver a genuine home cinema atmosphere. Deep blacks and bright whites make for more dynamic images, with great colour and crisp picture quality.

Super Bright Panel: Even when the sunlight is fully shining through your living room window, you will enjoy a clear picture on your VIERA TV screen, featuring Super Bright Panel technology. This high-transmittance panel combines with a high-efficiency LED backlight to produce sharp, crisp images. VIERA TVs with Bright Panel Plus also ensure clear viewing in sunlit rooms.

4K Studio Master Processor: To boost your viewing experience, selected 4K Ultra HD VIERA TVs also feature advanced Studio Master 4K Processor. It delivers a stunningly accurate picture, just as the director intended – with ultra-fine colour rendering and smooth gradations also for upscaled films.

4K Studio Master Drive: To seamlessly complement your 4K viewing experience, several 4K Ultra HD VIERA TVs also feature 4K Studio Master Drive. It enhances picture processing and delivers accurate colour expression for an outstanding viewing experience.

Studio Master Colour: Experience more vivid viewing, thanks to amazing colour gradations and brightness. It's possible with Studio Master Colour. The high-colour-space LED panel construction reproduces colours faithful to the original, for vividly colourful images from a wide colour gamut.

Up to 3,000Hz BLS 4K IFC: Enjoy extremely smooth fast motion images thanks to the high-speed panel and the Intelligent Frame Creation paired with the advanced backlight scanning technology.

Up to 1,600Hz BLS 4K IFC: This motion engine combines a powerful panel and Intelligent Frame Creation interpolation processing with backlight scanning to deliver cleaner, smoother and sharper 4K Ultra HD pictures from any source.

Up to 200Hz BMR 4K: 4K UHD VIERA TVs featuring 200Hz (BMR) motion technology ensure that your favourite films, games and TV programmes boast great motion sharpness for clear moving images.

Up to 400Hz BMR IFC: With a VIERA TV featuring up to 400Hz (BMR) Intelligent Frame Creation (IFC), you are assured of smooth, jutter-free reproduction of fast motion images. This drive technology combines advanced backlight technology with enhanced, high-speed drive performance to provide outstanding sports or action movies.

Up to 400Hz RMR: For any room and any space, there is a high-quality VIERA TV to match. The models with up to 400Hz (RMR) deliver smooth motion quality for a great viewing experience with every TV show or film.

EASY OPERATION

4K Swipe & Share: This free, updated iOS / Android Panasonic TV Remote 2 App lets you share photos stored on a compatible mobile device in Full 4K resolution by 'swiping' them towards the TV.

Swipe & Share: Unleash the full potential of your smartphone with the Panasonic TV Remote 2 App and Swipe & Share functions. Share and stream personal content, like pictures, movies and music to your VIERA TV simply from Android™ or Apple-based smartphones.

my Stream: A wide variety of media – TV shows, video on demand and Internet content – is automatically recommended to you by this intuitive interface. You can also perform keyword searches for faster access.

Info Frame: When you turn on your TV, Info Frame appears – combining local weather reports, recommended TV shows, your favourite website links and more on one single, convenient screen.

In-house TV Streaming Server & Client: You now have the freedom to position your VIERA TV anywhere in your home. Simply wirelessly stream broadcasts from a main TV, which acts as a server, to any other TVs, tablets or smartphones in any room.

Quad-Core Pro: This ultra-powerful processor lets you enjoy smart VIERA features at high speed with smooth interaction. Quad-Core Pro is extra efficient, as the picture is processed separately from the features. So, you can easily switch between multiple apps and Web pages seamlessly without any lag time.

Quad-Core: The high-speed Quad-Core central processing unit (CPU) leverages a total of four processing cores to deliver a great VIERA experience. You'll not only notice smooth images – you'll also become immersed in the on-screen action.

Dual-Core ×4: The Dual-Core ×4 central processing unit (CPU) ensures the VIERA TV panel reproduces great picture quality and is equipped to handle smart features, with seamless functionality. It consists of two cores with four processing units each, ensuring high speed, accuracy and precision.

my Home Screen: With the Panasonic my Home Screen feature, you can customise the start-up screen of your VIERA TV to suit your personal style and needs. Quickly access your favourite apps and functionalities – my Home Screen gives you an easy overview at a glance.

Panasonic TV Remote 2 App: With this app, it is easy and fun to share – simply swap multimedia or websites from your smartphone's display to the TV screen and vice versa. This newly enhanced VIERA app goes a step further, letting you swipe and store your media from your smartphone to the TV.

Touch Pad Remote: Several new VIERA TVs come with a smart Touch Pad Remote. Intuitively shaped with a spacious touch pad, it lets you pin your favourite apps and channels to your my Home Screen 2.0 with a touch of the 'my' button.

Voice Assistant Pro: With Voice Assistant Pro, voice operation is virtually just like talking. It enables you to easily speak out keyword searches and even control the TV, too – without the need to speak into the remote control.

Voice Guidance: VIERA TVs with Voice Guidance will verbally inform you of programme information, recording and other settings, and more with clear pronunciation and tone. It provides easy-to-understand operating procedures for people with impaired vision or elderly people.

Content Optimizer Pro: So you have beautiful pictures from virtually any source, VIERA TVs employ Content Optimizer. This high-performance engine leverages any number of enhancement features – refining a variety of images, broadcasts and websites, as well as virtually all kinds of sources to provide excellent picture quality.

TV Anywhere: Enjoy your favourite multimedia content wherever you are. The VIERA TV streams live broadcasts or recorded content stored on a USB HDD to your mobile device.

SMART NETWORKING

Web Browser: The Web Browser lets you easily browse the Internet on the TV and enjoy user-friendly features. On VIERA 4K TVs, you can also enjoy online content in Ultra HD 4K resolution, perfect for viewing maps on screen. High-end VIERA TVs now use the popular Firefox interface.

Twin HD Tuner: With the Twin HD Tuner – either for satellite, cable or antenna hook-up – you can watch a TV show and zap at the same time: watch one show while recording another, or swipe the show to your tablet and watch something else on the TV.

Media Player: The renowned Media Player is now available with VIERA 4K Ultra HD TVs. It lets you easily enjoy your personal multimedia entertainment stored on any USB memory device.

Bluetooth®: Bluetooth® is a wireless technology standard for exchanging data over short distances from fixed and mobile devices. This means you can connect any Panasonic Bluetooth®-enabled product with other Bluetooth®-enabled devices without the cable clutter – and in high quality.

Easy Mirroring: Transfer photos, videos and more from your smartphone, tablet or computer display straight to the large VIERA TV screen. Built-in Wi-Fi capability lets you easily and quickly connect your Android-based* mobile devices to the TV.

(*Ver. 4.2 and above and Miracast™ certified)

4K 50 / 60p Input: Based on HDMI 2.0, this input terminal accepts super-high-resolution 4K signals in outstanding high quality, with a higher frame rate capability.

Internet Apps: Cloud-based, the new Internet Apps functionality gives you instant and easy access to the Internet, as well as a wide range of apps, Video on Demand services, games and more.

Essential Apps: Get started with TV apps. Easily access dedicated apps, online entertainment and more directly on your big-screen VIERA TV, from the comfort of your living room sofa.

Wireless LAN built-in: Many VIERA TVs can be wirelessly connected to your home network. So you can take advantage of Internet Apps and DLNA networking throughout your home.

USB HDD Recording: Thanks to this function, available with many new cutting-edge VIERA TVs, you can hook up an external USB hard disc to record TV shows or films in excellent quality. It also supports Timer Recording, Direct TV Recording and Pause Live TV.

DLNA: Access videos, pictures and music stored in other rooms and enjoy content throughout the home by connecting compatible devices via DLNA. The Panasonic TV Remote 2 App lets you transfer content from your iPhone / Android™ tablet or smartphone to your TV, or access your DLNA server from mobile devices.

ICON GLOSSARY 2015
AUDIO AND VIDEO

TECHNOLOGY

4K JPEG Playback: 4K JPEG Playback is essential for enjoying personal images on a large 4K screen in ultra-high 4K quality.

Blu-ray 3D: Enjoy your favourite blockbusters in stunning 3D at home. Full HD 3D Blu-ray Disc™ Playback brilliantly reproduces images that leap off the screen, with enhanced depth, lustre and texture.

4K Ultra HD Upscaling: This digital video format boosts conventional Full HD media to the next generation of TV resolution, which is four times higher than Full HD – delivering breathtaking image and sound quality.

Qualcomm® ALLPlay™: A smart media platform that enables seamless streaming of high-quality local and Cloud-based content – via high-performance Wi-Fi connectivity – across multiple product brands and platforms.

SMART NETWORKING

Wi-Fi Built-in: Many Panasonic video products can be wirelessly connected to your home network. So, you can take advantage of Internet Apps and DLNA net-working throughout your home.

Web Browser: As the name implies, the Web Browser lets you easily browse the Internet on the TV and enjoy user-friendly features. And with Web Browser 4K, you can enjoy online content in high 4K resolution, perfect for viewing maps on screen.

Panasonic Music Streaming App: Available for all models that feature Bluetooth®, AirPlay or DLNA, this app controls wireless music streaming from any device, be it smartphone, tablet or PC, and recognises compatible wireless speakers.

AirPlay®: Developed by Apple especially for Apple devices, AirPlay technology lets you stream your favourite music wirelessly from your iPhone, iPad and iPod Touch directly to AirPlay-enabled devices on the same Wi-Fi network.

Miracast™: This functionality uses Wi-Fi Direct technology to transfer content from a Wi-Fi device for playing back on a TV – even without a Wi-Fi access point.

NFC™ (Near Field Communication): Enables easy pairing of the NFC-capable speaker and smartphone via Bluetooth® – at a single touch of the smart device – making troublesome settings a thing of the past.

Twin HDMI: With Twin HDMI, one signal output is exclusively dedicated to audio, so that your home cinema media sounds incredible.

Wi-Fi Certified: Panasonic products that are Wi-Fi Certified have been specially certified by the Wi-Fi Alliance for their ability to wirelessly connect to your home network.

Internet Apps: Cloud-based, the new Internet Apps functionality gives you instant and easy access to the Internet as well as a wide range of apps, Video on Demand services, games and more.

Bluetooth®: Bluetooth® is a wireless technology standard for exchanging data over short distances from fixed and mobile devices. This means you can connect any Panasonic Bluetooth®-enabled product with other Bluetooth®-enabled devices without the cable clutter – and in high quality.

DLNA: Access videos, pictures and music stored in other rooms and enjoy content throughout the home by connecting compatible devices via DLNA. The Panasonic TV Remote 2 App lets you transfer content from your iPhone/ Android™ tablet or smartphone to your TV, or access your DLNA server from mobile devices.

HIGH-QUALITY SOUND

FLAC: FLAC stands for Free Lossless Audio Codec and is a High Definition audio compression technology without any loss in quality. Panasonic products with FLAC compatibility enable you to listen to compressed music files without compromising on high audio quality.

LincsD-Amp: Based on MASH noise-shaping technology, LincsD-Amp™ markedly reduces jitter and sound distortion that can affect audio clarity – producing pure, brilliant sound.

THX Certified: The THX Certified Panasonic Blu-ray Disc Player reproduces pictures and sounds with the same detail and clarity as found in the filmmakers studio.

XBS Master: Short for Extra Bass System, XBS Master is a unique Panasonic, high-quality sound technology for even more powerful bass sound without distortion.

aptX®: Developed for video content and gaming, aptX Low Latency provides seam-less audio-video synchronisation when transmitted via Bluetooth® A2DP, offering a latency time of 32 milliseconds.

Clear-mode Dialog: Gives sound greater depth and makes voices sound like they're coming from the centre of the screen. The dialogue volume is adjustable to four levels, which is great for hearing clear dialogue over the surround sound.

High Res Sound: A clear listening experience is yours with High Res Sound, available for Panasonic audio products which support a playback frequency range of at least 48kHz.

VIERA TVs

		CR850 SERIES	CX800 SERIES	AX900 SERIES	X940 SERIES	CX750 SERIES	CR730 SERIES	CX700 SERIES	CX680 SERIES	CS600 SERIES	CS500 SERIES	CR430 SERIES	CX400 SERIES	C300 SERIES
		65″; 55″	65″; 55″; 50″; 40″	65″; 55″	85″	60″; 55″; 49″; 43″	65″; 55″	65″; 55″; 50″; 40″	55″; 50″; 40″	65″; 55″; 50″; 40″; 32″	55″; 50″; 40″; 32″; 24″	55″	65″; 55″; 48″; 40″	65″; 55″; 48″; 40″; 32″; 24″
PICTURE QUALITY														
Display	Panel	4K ULTRA HD LED LCD	4K ULTRA HD LED LCD	4K ULTRA HD LED LCD	4K ULTRA HD LED LCD	4K ULTRA HD IPS LED	4K ULTRA HD LED LCD	4K ULTRA HD LED LCD	4K ULTRA HD LED LCD	LED LCD	LED LCD	4K Ultra HD LED LCD	4K Ultra HD LED LCD	LED LCD
	Bright Panel	Super Bright Panel	Super Bright Panel	Super Bright Panel	Super Bright Panel	Super Bright IPS Panel	Bright Panel Plus	Super Bright Panel	Super Bright Panel	Bright Panel Plus	Bright Panel Plus*8	–	–	
	Screen Resolution / Aspect Ratio	3,840 (W) × 2,160 (H) / 16:9	3,840 (W) × 2,160 (H) / 16:9	3,840 (W) × 2,160 (H) / 16:9	3,840 (W) × 2,160 (H)	3,840 (W) × 2,160 (H) / 16:9	3,840 (W) × 2,160 (H) / 16:9	3,840 (W) × 2,160 (H) / 16:9	3,840 (W) × 2,160 (H) / 16:9	1,920 (W) × 1,080 (H) / 16:9	1,920 (W) × 1,080 (H)*4 / 16:9	3,840 (W) × 2,160 (H) / 16:9	3,840 (W) × 2,160 (H) / 16:9	1,920 (W) × 1,080 (H) / 16:9
	Panel Drive	4K 1,600Hz BMR IFC	4K 1,600Hz BMR IFC	4K 3,000Hz BLS IFC PRO	4K 2,000Hz BLS IFC PRO	4K 1,000Hz BMR IFC	4K 1,000Hz BMR IFC	4K 800Hz BMR IFC	4K 200Hz BMR	400Hz BMR IFC*4	200Hz BMR IFC*4	400Hz RMR	400Hz RMR	400Hz RMR*4
	Dynamic Range Remaster / HDR	• / • (Firmware update is needed)	• / • (Firmware update is needed)	• / –	• / –	– / –	– / –	– / –	– / –	– / –	– / –	– / –	– / –	– / –
	Viewing Angle / Contrast	TBD / Supreme Contrast	176 degrees / Supreme Contrast	178 degrees / Ultimate Contrast	176 degrees / Supreme Contrast	178 degrees / IPS Brilliant Contrast	TBD / Brilliant Contrast	176 degrees / Brilliant Contrast	176 degrees / Brilliant Contrast	176 degrees / High Contrast	176 degrees / High Contrast	176 degrees / High Contrast	176 degrees / High Contrast	176 degrees*11 / –
	Studio Master Colour	Studio Master Colour	Studio Master Colour	Studio Master Colour	Studio Master Colour	Studio Master Colour	–	Studio Master Colour	Studio Master Colour	–	–	–	–	–
	4K Studio Master Processor / Studio Master Drive	• / –	• / –	– / •	– / •	– / •	– / •	– / •	– / •	– / –	– / –	– / –	– / –	– / –
	Local Dimming / Adaptive Backlight Dimming	• (PRO) / –	• (PRO) / –	Local Dimming Ultra	Local Dimming Pro	• / –	• / –	• / –	• / –	– / •	– / •	– / –	– / –	– / –
	THX Certified Display / 4K Pure Direct / isf Mode	– / • / –	• / • / •	• (4K) TBC / • (4K) / •	• (4K) TBC / • (4K) / •	– / • / –	– / • / –	– / • / –	– / • / –	– / – / –	– / – / –	– / – / –	– / – / –	– / – / –
	3D	• (TBD)	•	•	•	•	• (TBD)	•	–	•*9	–	–	–	–
Sound Quality	Surround Mode	VR-Audio Master Surround 2.1	VR-Audio Master Surround 2.1*10	VR-Audio Master Surround 2.1	VR-Audio Master Surround 2.1	VR-Audio True Surround	VR-Audio True Surround	VR-Audio True Surround	VR-Audio True Surround	VR-Audio True Surround*3	V-Audio	Surround Sound	Surround Sound	Surround Sound
	Speaker Output	40W (10W ×2 + 10W ×2)*3	40W (10W ×2 + 10W ×2)*3	18W (4 + 4 + 10)*3	40W (10 + 10 + 20)*3	20W (10W ×2)*3	20W (10W ×2)*3	20W (10W × 2)*3	20W (10W × 2)*3	20W (10W × 2)*3	20W (10W ×2)*3	20W (10W+10W)*3	20W (10W+10W)*3	24W (12W+12W)*3
SMART FEATURES														
	my Home Screen / Info Frame / my Stream*1	• (2.0) / • / •	• (2.0) / • / •	• / • (Info Bar) / •	• / • (Info Bar) / •	• (2.0) / • / •	• (2.0) / • / •	• (2.0) / • / •	• (2.0) / • / •	• / – / •*3	• / – / –	– / – / –	– / – / –	– / – / –
	Voice Assistant / Voice Guidance	• / •	• (PRO) / •	• / •	• / •	• / •	• / •	• / •	• / •	•*3 / •	– / •	– / –	– / – / –	– / –
	EPG / On Screen Display Menu Languages	• / 26 Languages*2	• / 26 Languages*2	• / 26 Languages*2	• / 26 Languages*2	• / 26 Languages*2	• / 26 Languages*2	• / 26 Languages*2	• / 26 Languages*2	• / 26 Languages*2	• / 26 Languages*2	• / 31 Languages*12	• / 31 Languages*12	• / 31 Languages*12
	Twin HD Tuner	•	•	•	•	–	–	–	–	–	–	–	–	–
	Processing Engine / Wi-Fi Built-in	Quad-Core Pro / •	Quad-Core Pro / •	Quad-Core Pro5 / •	Quad-Core Pro5 / •	Quad-Core Pro / •	Quad-Core Pro / •	Quad-Core Pro / •	Quad-Core Pro / •	Quad-Core ×4*3 / •	Vreat Smart Pro / •	Quad-Core / •	Quad-Core / •	– / • (55″ / 65″)
	TV Anywhere / In-House TV Streaming	• / • (Server / Client)	• / • (Server / Client)	• / • (Server / Client)	• / • (Server / Client)	• / • (Client) // • (Server / Client)	• / • (Client)	• / • (Client)	• / • (Client)	•*3 / • (Client)	– / • (Client)	– / –	– / –	– / –
	Panasonic TV Remote App	•	•	•	•	•	•	•	•	•	•	–	–	–
	Swipe & Share	•	•	•	•	•	•	•	•	•	•	–	–	–
	Internet Apps / Essential Apps	•	•	•	•	•	•	•	•	•	•	• (Essential Apps)	• (Essential Apps)	• (55″ / 65″: Essential Apps)
	Web Browser*3 / Easy Mirroring	• (Firefox) / •	• (Firefox) / •	• / •	• / •	• (Firefox) / •	• (Firefox) / •	• (Firefox) / •	• (Firefox) / •	• / •	• / •	• / –	• / –	• (55″ / 65″) / –
	DLNA	• (RUI2.0 / DTCP-IP / DMP / DMR / DMS)	• (RUI2.0 / DTCP-IP / DMP / DMR / DMS)	• (RUI2.0 / DTCP-IP / DMP / DMR / DMS)	• (RUI2.0 / DTCP-IP / DMP / DMR / DMS)	• (RUI2.0 / DTCP-IP / DMP / DMR / DMS)	• (RUI2.0 / DTCP-IP / DMP / DMR / DMS)	• (RUI2.0 / DTCP-IP / DMP / DMR / DMS)	• (RUI2.0 / DTCP-IP / DMP / DMR / DMS)	• (RUI2.0 / DTCP-IP / DMP / DMR / DMS)	• (RUI2.0 / DTCP-IP / DMP / DMR / DMS)	• Media Sharing	• Media Sharing	• Media Sharing
	Bluetooth®*4 / Media Player	• / •	• / •	• / •	• / •	• / •	• / •	• / •	– / •	• / –	– / •	• / •	• / •	– / •
	HbbTV / Teletext Reception	• / 1,500P	• / 1,500P	• / TBC	• / TBC	• / 1,500P	• / 1,500P	• / 1,500P	• / 1,000P	• / 1,000P	• / 1,000P	– / 1,000P	– / 1,000P	– / 1,000P
	USB-HDD Recording	•	•	•	•	•	•	•	–	–	–	•	•	–
	Multi Window	2-Tuner PAP / PIP / PAT	2-Tuner PAP / PIP / PAT	2-Tuner PAP / PIP / PAT	2-Tuner PAP / PIP / PAT	PAT // 2-Tuner PAP / PIP / PAT	PAT	PAT	PAT	PAT	PAT	–	–	–
	VIERA Link	•	•	•	•	•	•	•	•	•	•	–	–	–
ENERGY DATA														
	Suppliers Trademark	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic
	Model ID	65″: TX-65CR850E 55″: TX-55CR850E	65″: TX-65CX800E 55″: TX-55CX800E 50″: TX-50CX800E 40″: TX-40CX800E	65″: TX-65AX900E 55″: TX-55AX900E	TX-85X940E	60″: TX-60CX750E 55″: TX-55CX750E 49″: TX-49CX750E 43″: TX-43CX750E	65″: TX-65CR730E 55″: TX-55CR730E	65″: TX-65CX700E 55″: TX-55CX700E 50″: TX-50CX700E 40″: TX-40CX700E	55″: TX-55CX680E 50″: TX-50CX680E 40″: TX-40CX680E	65″: TX-65CS620E 55″: TX-55CS620E TX-55CS630E 50″: TX-50CS620E TX-50CS630E 40″: TX-40CS620E TX-40CS610EW TX-40CS630E 32″: TX-32CS600E TX-32CS600EW	TX-55CSS20E TX-50CSS20E TX-40CSS20E TX-32CS510E TX-24CS500E	TX-55CR430E	65″: TX-65CX410E 55″: TX-55CX400E 48″: TX-48CX400E 40″: TX-40CX400E	65″: TX-65C320E 55″: TX-55C320E 48″: TX-48C300E 40″: TX-40C300E 32″: TX-32C300E 24″: TX-24C300E
	Energy Efficiency Class	65″: B 55″: B	65″: B 55″: B 50″: B 40″: B	65″: B 55″: C	B	60″: B 55″: B 49″: B 43″: B	65″: A 55″: B	65″: A 55″: B 50″: A 40″: B	55″: B 50″: A 40″: B	65″: 55″: A+ 50″: A+ 40″: A+ 32″:	55″: 50″: 40″: 32″: A 24″:	A	65″: A 55″: A 48″: A 40″: A	65″: A 55″ – 24″: A+
	Visible Screen Size (diagonal)	65″: 164 cm 55″: 139 cm	65″: 164 cm 55″: 139 cm 50″: 126 cm 40″: 102 cm	65″: 164 cm 55″: 139 cm	215 cm	60″: 151 cm 55″: 139 cm 49″: 124 cm 43″: 109 cm	65″: 164 cm 55″: 139 cm	65″: 164 cm 55″: 139 cm 50″: 126 cm 40″: 102 cm	55″: 139 cm 50″: 126 cm 40″: 102 cm	65″: 164 cm 55″: 139 cm 50″: 126 cm 40″: 100 cm 32″: 80 cm	55″: 139 cm 50″: 126 cm 40″: 102 cm 32″: 80 cm 24″:	140 cm	65″: 164 cm 55″: 139 cm 48″: 122 cm 40″: 102 cm	65″: 165 cm 55″: 139 cm 48″: 122 cm 40″: 102 cm 32″: 81 cm 24″: 61 cm
	On mode Average Power Consumption*5	65″: TBC 55″: TBC	65″: TBC 55″: TBC 50″: TBC 40″: TBC	65″: 229W 55″: 210W	348W	60″: TBC 55″: TBC 49″: TBC 43″: TBC	65″: TBC 55″: TBC	65″: TBC 55″: TBC 50″: TBC 40″: TBC	55″: TBC 50″: TBC 40″: TBC	65″: 55″: 91 W 50″: 75 W 40″: 49 W 32″:	55″: TBC 50″: TBC 40″: TBC 32″: TBC 24″: TBC	TBC	65″: TBC 55″: TBC 48″: TBC 40″: TBC	65″: 154 Watt 55″: 84 Watt 48″: 87 Watt 40″: 63 Watt 32″: 41 Watt 24″: 25 Watt
	Annual Energy Consumption*6	65″: TBC 55″: TBC	65″: TBC 55″: TBC 50″: TBC 40″: TBC	65″: 318 kWh 55″: 291 kWh	483 kWh	60″: TBC 55″: TBC 49″: TBC 43″: TBC	65″: TBC 55″: TBC	65″: TBC 55″: TBC 50″: TBC 40″: TBC	55″: TBC 50″: TBC 40″: TBC	65″: 55″: 127 kWh 50″: 105 kWh 40″: 69 kWh 32″:	55″: TBC 50″: TBC 40″: TBC 32″: TBC 24″: TBC	TBC	65″: TBC 55″: TBC 48″: TBC 40″: TBC	65″: 224 Watt 55″: 122 Watt 48″: 127 Watt 40″: 91 Watt 32″: 59 Watt 24″: 36 Watt
	Stand-by Power Consumption / Off mode Power Consumption	65″: TBC 55″: TBC	65″: TBC 55″: TBC 50″: TBC 40″: TBC	65″: 0.30W / 0.30W 55″: 0.30W / 0.30W	0.30W / 0.30W	60″: TBC 55″: TBC 49″: TBC 43″: TBC	65″: TBC 55″: TBC	65″: TBC 55″: TBC 50″: TBC 40″: TBC	55″: TBC 50″: TBC 40″: TBC	65″: 55″: 0.2 W / 0.2 W 50″: 0.2 W / 0.2 W 40″: 0.2 W / 0.2 W 32″:	55″: TBC 50″: TBC 40″: TBC 32″: TBC 24″: TBC	<0.5 Watt / NA	65″: <0.5 Watt / NA 55″: <0.5 Watt / NA 48″: <0.5 Watt / NA 40″: <0.5 Watt / NA	65″: <0.5 Watt / NA 55″: <0.5 Watt / NA 48″: <0.5 Watt / NA 40″: <0.5 Watt / NA 32″: <0.5 Watt / NA 24″: <0.5 Watt / NA
	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	AC 220–240 V, 50 / 60Hz	AC 220–240 V, 50 / 60Hz	AC 220–240 V, 50 / 60Hz	AC 220–240 V, 50 / 60Hz	AC 220–240 V, 50 / 60Hz	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	65″: TBC 55″: TBC	65″: TBC 55″: TBC 50″: TBC 40″: TBC	65″: 472W 55″: 412W	561W	60″: TBC 55″: TBC 49″: TBC 43″: TBC	65″: TBC 55″: TBC	65″: TBC 55″: TBC 50″: TBC 40″: TBC	55″: TBC 50″: TBC 40″: TBC	65″: 55″: 179 W 50″: 96 W 40″: 72 W 32″:	55″: TBC 50″: TBC 40″: TBC 32″: TBC 24″: TBC	TBC	65″: TBC 55″: TBC 48″: TBC 40″: TBC	65″: TBC 55″: TBC 48″: TBC 40″: TBC 32″: TBC 24″: TBC
	Ambient Sensor	•	•	•	•	•	•	•	•	•	•	–	–	–
TERMINAL														
	Digital Tuner Reception	DVB-T / T2 / DVB-S2 / DVB-C	DVB-T / T2 / DVB-S2 / DVB-C	DVB-T / T2 / DVB-S2 / DVB-C	DVB-T / T2 / DVB-S2 / DVB-C	DVB-T / T2 / DVB-S2 / DVB-C	DVB-T / T2 / DVB-S2 / DVB-C	DVB-T / T2 / DVB-C	DVB-T / T2 / DVB-C	DVB-T / T2 / DVB-C	DVB-T / T2 / DVB-C	DVB-T2 / C	DVB-T2 / C	DVB-T / C (TBC)
	HDMI / HDMI (4K 60 / 50p with HDCP2.2)	1 (side), 2 (bottom) / 3	1 (side), 2 (bottom) / 3	– / 3 (side), 1 (bottom)	– / 3 (side), 1 (bottom)	1 (side), 2 (bottom) / 3	1 (side), 2 (bottom) / 3	1 (side), 2 (bottom) / 3	1 (side), 2 (bottom) / 3	1 (side), 2 (rear)*4 / –	2 (rear) / –	4 (Side) / •	4 (Side) / •	4 (Side)*4 / –
	Support Feature	Audio Return Channel (Input 2)	Audio Return Channel (Input 2)	Audio Return Channel (Input 2)	Audio Return Channel (Input 2)	Audio Return Channel (Input 2)	Audio Return Channel (Input 2)	Audio Return Channel (Input 2)	Audio Return Channel (Input 2)	Audio Return Channel (Input 2)	Audio Return Channel (Input 2)	–	–	–
	USB	3 (side; USB 3.0 ×1, USB 2.0 ×2)	3 (side; USB 3.0 ×1, USB 2.0 ×2)	3 (side; USB 3.0 ×1, USB 2.0 ×2)	3 (side; USB 3.0 ×1, USB 2.0 ×2)	3 (side; USB 3.0 ×1, USB 2.0 ×2)	3 (side; USB 3.0 ×1, USB 2.0 ×2)	3 (side; USB 3.0 ×1, USB 2.0 ×2)	3 (side; USB 3.0 ×1, USB 2.0 ×2)	2 (side; USB 2.0 ×2)*3	1 (side; USB 2.0 ×1)	3	3	2
	LAN Port	1 (rear)	1 (rear)	1 (bottom)	1 (bottom)	1 (rear)	1 (rear)	1 (rear)	1 (rear)	1 (rear)	1 (rear)	1	1	1
	CI (Common Interface)	2 (CI Plus, Version 1.3)	2 (CI Plus, Version 1.3)	2 (CI Plus, Version 1.3)	2 (CI Plus, Version 1.3)	1 (CI Plus, Version 1.3)	1 (CI Plus, Version 1.3)	1 (CI Plus, Version 1.3)	1 (CI Plus, Version 1.3)	1 (CI Plus, Version 1.3)	1 (CI Plus, Version 1.3)	CI+ Slot	CI+ Slot	CI+ Slot
	SD Card / Scart Connector	• / 1 (rear)	• / 1 (rear)	• (SDXC) / 1 (bottom)	• (SDXC) / 1 (bottom)	• / 1 (rear)	• / 1 (rear)	• / 1 (rear)	– / 1 (rear)	– / 1 (rear)	– / 1 (rear)	– / 1 (rear)	– / –	– / 1
	Component Video Input shared with Composite	RCA phono type ×1 (rear)	RCA phono type ×1 (rear)	RCA phono type ×1 (bottom)	RCA phono type ×1 (bottom)	RCA phono type ×1 (rear)	RCA phono type ×1 (rear)	RCA phono type ×1 (rear)	RCA phono type ×1 (rear)	RCA phono type ×1 (rear)	RCA phono type ×1 (rear)	AV1 / 0: Y / L / R + Y / Pb / Pr	AV1 / 0: Y / L / R + Y / Pb / Pr	–
	Digital Audio Output (Optical) / Headphone Output	1 (bottom) / 1 (side)	1 (bottom) / 1 (side)	1 (side) / 1 (side)	1 (side) / 1 (side)	1 (bottom) / 1 (side)	1 (bottom) / 1 (side)	1 (bottom) / 1 (side)	1 (bottom) / 1 (side)	1 (rear) / 1 (side)	1 (rear) / 1 (side)	1 (optical) / 1	1 (optical) / 1	1 (optical; 24″ & 32″: coax) / 1
GENERAL														
	Included Accessory*7	Touch Pad Remote / TV Remote	Touch Pad Remote / TV Remote	Touch Pad Remote / TV Remote / 3D Glasses (2 pcs)	Touch Pad Remote / TV Remote / 3D Glasses (2 pcs)	Touch Pad Remote / TV Remote	TV Remote	TV Remote	TV Remote	TV Remote	TV Remote	Remote Control	Remote Control	Remote Control
	Dimensions (W × H × D) (w / o stand)	65″: 1,454 × 850 × 143 mm (TBD) 55″: 1,236 × 727 × 124 mm (TBD)	65″: 1,456 × 842 × 61 mm 55″: 1,237 × 719 × 54 mm 50″: 1,121 × 652 × 46 mm 40″: 899 × 518 × 46 mm	65″: 1,457 × 864 × 60 mm 55″: 1,238 × 741 × 59 mm	85″: 1,917 × 1,135 × 85 mm	60″: 1,347 × 781 × 53 mm 55″: 1,239 × 719 × 53 mm 49″: 1,100 × 642 × 46 mm 43″: 969 × 567 × 46 mm	65″: 1,454 × 850 × 143 mm (TBD) 55″: 1,236 × 727 × 124 mm (TBD)	65″: 1,456 × 839 × 61 mm 55″: 1,237 × 717 × 54 mm 50″: 1,121 × 650 × 46 mm 40″: 899 × 516 × 46 mm	55″: 1,242 × 719 × 56 mm 50″: 1,126 × 652 × 47 mm 40″: 904 × 518 × 47 mm	65″: 1,463 × 842 × 62 mm 55″: 1,242 × 719 × 56 mm 50″: 1,126 × 652 × 47 mm 40″: 904 × 518 × 47 mm 32″: 733 × 436 × 59 mm	55″: 1,242 × 719 × 56 mm 50″: 1,126 × 652 × 47 mm 40″: 904 × 518 × 47 mm 32″: 734 × 437 × 69 mm 24″: 562 × 344 × 59 mm	1,232 × 713 × 107	65″: 1,460 × 838 × 65 55″: 1,239 × 716 × 65 48″: 1,081 × 627 × 65 40″: 912 × 532 × 65	65″: 1,460 × 838 × 48 55″: 1,240 × 716 × 47 48″: 1,092 × 643 × 68 40″: 923 × 544 × 68 32″: 735 × 438 × 97 24″: 554 × 339 × 61
	Dimensions (W × H × D) (with stand)	65″: 1,454 × 895 × 358 mm (TBD) 55″: 1,236 × 763 × 287 mm (TBD)	65″: 1,456 × 886 × 318 mm 55″: 1,237 × 754 × 246 mm 50″: 1,121 × 687 × 211 mm 40″: 899 × 553 × 211 mm	65″: 1,457 × 863 × 356 mm 55″: 1,238 × 740 × 283 mm	85″: 1,917 × 1,163 × 351 mm	60″: 1,347 × 816 × 300 mm 55″: 1,239 × 754 × 230 mm 49″: 1,100 × 677 × 230 mm 43″: 969 × 601 × 179 mm	65″: 1,454 × 903 × 403 mm (TBD) 55″: 1,236 × 769 × 242 mm (TBD)	65″: 1,456 × 894 × 403 mm 55″: 1,237 × 762 × 242 mm 50″: 1,121 × 695 × 242 mm 40″: 899 × 561 × 202 mm	55″: 1,242 × 761 × 292 mm 50″: 1,126 × 693 × 202 mm 40″: 904 × 560 × 202 mm	65″: 1,463 × 884 × 344 mm 55″: 1,242 × 761 × 292 mm 50″: 1,126 × 693 × 202 mm 40″: 904 × 560 × 202 mm 904 × 567 × 194 mm (TX-40CS610EW) 32″: 733 × 477 × 148 mm	55″: 1,242 × 757 × 230 mm 50″: 1,126 × 690 × 230 mm 40″: 904 × 556 × 230 mm 32″: 734 × 474 × 148 mm 24″: 562 × 409 × 180 mm	1,232 × 775 × 344	65″: 1,460 × 905 × 344 55″: 1,239 × 773 × 344 48″: 1,081 × 687 × 271 40″: 912 × 593 × 271	65″: 1,460 × 905 × 344 55″: 1,240 × 789 × 344 48″: 1,092 × 686 × 220 40″: 923 × 588 × 220 32″: 735 × 478 × 185 24″: 554 × 370 × 134
	Weight (w / o stand) / Weight (with stand)	65″: 33.5 kg (TBD) / 37.5 kg (TBD) 55″: 24.0 kg (TBD) / 26.5 kg (TBD)	65″: TBD / TBD 55″: 18.0 kg (TBD) / 19.0 kg (TBD) 50″: 16.5 kg (TBD) / 17.5 kg (TBD) 40″: 10.5 kg (TBD) / 12.0 kg (TBD)	65″: 35.0 kg / 52.0 kg 55″: 26.0 kg / 38.5 kg	85″: 73.5 kg / 87.0 kg	60″: 20.0 kg (TBD) / 22.5 kg (TBD) 55″: 18.0 kg (TBD) / 19.0 kg (TBD) 49″: 14.0 kg (TBD) / 16.0 kg (TBD) 43″: 12.0 kg (TBD) / 14.0 kg (TBD)	65″: 33.0 kg (TBD) / 34.5 kg (TBD) 55″: 23.5 kg (TBD) / 24.5 kg (TBD)	65″: TBD / TBD 55″: 18.0 kg (TBD) / 19.0 kg (TBD) 50″: 16.5 kg (TBD) / 17.5 kg (TBD) 40″: 10.5 kg (TBD) / 12.0 kg (TBD)	55″: 18.0 kg (TBD) / 19.0 kg (TBD) 50″: 16.5 kg (TBD) / 17.5 kg (TBD) 40″: 10.5 kg (TBD) / 12.0 kg (TBD)	65″: 26.0 kg / 27.5 kg 55″: 18.0 kg / 19.0 kg 50″: 15.5 kg / 16.5 kg 40″: 10.5 kg / 12.0 kg 32″: 6.0 kg / 7.0 kg	55″: 18.0 kg (TBD) / 19.0 kg (TBD) 50″: 15.0 kg / 17.5 kg 40″: 10.5 kg / 13.0 kg 32″: 5.5 kg / 6.5 kg 24″: 4.5 kg / 5.0 kg	TBC / TBC	65″: TBC / TBC 55″: TBC / TBC 48″: TBC / TBC 40″: TBC / TBC	65″: TBC / TBC 55″: TBC / TBC 48″: TBC / TBC 40″: TBC / TBC 32″: TBC / TBC 24″: TBC / TBC
	VESA Compatible	•	•	•	•	•	•	•	•	•	•	•	•	•

*1 Viewable contents may vary depend on regions and services. *2 26 Languages (English / German / Italian / Spanish / French / Danish / Finnish / Swedish / Dutch / Hungarian / Czech / Romanian / Bulgarian / Polish / Norwegian / Estonian / Latvian / Lithuanian / Portuguese / Turkish / Greek / Croatian / Slovak / Slovenian / Serbian / Macedonian) *3 The Web Browser cannot display some web pages correctly. And viewable contents by VIERA Web Browser are subject to the following conditions: viewable contents may vary depend on models; viewable contents may differ from those for PC; viewable contents may be limited. *4 HID (Human Interface Device Profile) compliant keyboards are available. *5 Based on IEC 62087 Ed. 2 measurement method. *6 Energy consumption kWh per year, based on the power consumption of the television operating four hours per day for 365 days. The actual energy consumption will depend on how the television is used. *7 Not all the accessories are listed here. *8 Depends on screen size. More Infos on page 36 – 37 as well as on www.panasonic.com *9 only CS630 *10 40″: VR-Audio Master Surround *11 24″: 150 degrees viewing angle. *12 31 Languages (Albanian, Belarussian, Bulgarian, Croatian, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hungarian, Italian, Latvian, Lithuanian, Luxembourgish, Macedonian, Montenegrin, Norwegian, Polish, Portuguese, Romanian, Serbian, Slovak, Slovenian, Spanish, Swedish, Turkish, Ukranian).

SMART WIRELESS AUDIO SYSTEMS

		SC-ALL2	SC-ALL8	SC-ALL3	SH-ALL1C
		Smart Wireless Speaker	Smart Wireless Speaker	Smart Wireless Speaker	Smart Wireless Connector
AUDIO SYSTEM					
Output Channel		1ch	2.1ch	2ch	–
Power Output (RMS)	Total Power	40W	80W	40W	–
	Front		20W per channel (1kHz, 8 ohms, 10% THD)	20W per channel (1kHz,8 ohms,10% THD)	–
	Subwoofer		40W (100Hz, 4 ohms, 10% THD)	–	–
PLAYABLE FORMAT					
MP3 / AAC / WAV / FLAC / ALAC		•	•	•	•
HIGH-QUALITY SOUND					
Double-Layer Nano-Sized Bamboo Cone Speaker		–	•	•	–
LincsD-Amp		–	• (2nd generation)	• (2nd generation)	–
XBS Master		–	•	•	–
Formed Mica & Super Low Distortion Subwoofer		–	•	•	–
Audio D/A Converter		–	–	–	192kHz/24-bit
SMART NETWORKING					
Multi-room Audio with Qualcomm® ALLPlay™		•	•	•	•
Wireless LAN System		•	•	•	•
Party-Mode*1 / Multi-zone*2		–	•	•	•
Subscription Service		•	•	•	•
Wi-Fi Frequency Range		• (5GHz/ 2.4GHz)	• (5GHz/2.4GHz)	• (5GHz/2.4GHz)	• (5GHz/2.4GHz)
Ethernet (10 Base-T / 100 Base-TX)		•	•	•	•
WPS support		•	•	•	•
Wireless Audio with DLNA		•	•	•	•
Bluetooth® Wireless technology		•	–	–	–
Panasonic Music Streaming App*3		•	•	•	•
Re-streaminig (Bluetooth®, CD, Radio, USB, AUX)		• (Bluetooth®, AUX (TENTATIVE))	–	–	–
Stereo Pairing		•	•	•	–
DESIGN					
Wall-Mountable		–	•	–	–
SPEAKER SYSTEM					
Subwoofer	Configuration	–	1-way 1 speaker system (Bass-reflex)	–	–
	Speaker Unit (Approx.) Subwoofer	–	12 cm ×1	–	–
Front Speaker	Configuration	1-way 1 speaker system	2-way 2 speaker system (Closed)	2-way 2 speaker system (Bass-reflex)	–
	Speaker Unit (Approx.) Woofer	8 cm Long Stroke Full Range ×1	8 cm ×2	8 cm Cone Type ×2	–
	Speaker Unit (Approx.) Tweeter		2.5 cm ×2	2.5 cm Semi-dome ×2	–
TERMINAL					
Digital Audio Output		–	–	–	•
Analogue Audio Output	Stereo (Gold-Coating Pin Jack)	–	–	–	• (FS:2Vrms)
Analogue Audio Input (AUX)	Stereo (3.5 mm Jack)	• (TENTATIVE)	•	•	–
LAN (Ethernet) Terminal	10 Base-T / 100 Base-TX	•	•	•	•
OTHERS					
Power Supply		AC 100-240V, 50/60Hz	AC 220–240V 50Hz	AC 220–240V 50Hz	AC 220–240V 50Hz
Power Consumption	Normal Use (Approx.)	22W (TENTATIVE)	22W	14W	3W
	Stand-by (Approx.)	<1.0W	0.15W	0.2W	–
Personalised (Preset) Buttons for Internet radio		• (6 presets: direct buttons)	–	–	–
Music Alarm		•	–	–	–
Clock Display		•	–	–	–
Remote Control		–	–	–	–
DIMENSIONS, WEIGHT					
Dimensions (W × H × D)		110 × 174 × 120 mm (TENTATIVE)	373 × 224 × 138 mm	248 × 131 × 155 mm	135 × 51 × 142 mm
Weight		4.2 kg (TENTATIVE)	4.2 kg	2.5 kg	0.34 kg*4

*1 Party-Mode: playing a single sound source simultaneously through multiple speakers. The maximum number of speakers is limited (Under study). *2 Multi-Zone: playing each of multiple songs within the same network to separate speakers. The maximum number of sound sources is limited (Under study). When using a subscription service, this function depends on the conditions of the service provider (Under study). *3 Download on the App Store. Download on Google Play™. *4 Excluding the mount. Weight with the mount is approximately 0.35 kg. When placing the speaker vertically, please use the included mount. – Specifications are subject to change without notice. Weight and dimensions are approximate.

DIGITAL RADIO

		RF-D10
		Digital Radio
AUDIO SYSTEM		
Output Channel		1ch
Power Output (RMS)	Total Power	2W (10 % THD)
TUNER		
Band / Station Presets		FM / 87.5–108.0 MHz (50KHz step) DAB BANDIII (5A–13F)
DAB		DAB / DAB+
FM / RDS		• / •*1
EASY OPERATION		
10 Channel Memory / 5 Preset EQ / DAB Scan*2 / Auto Tune Mode		• / • p (Flat / Heavy / Soft / Clear / Vocal) / • / • (for FM)
Programmable Timer		PLAY / SLEEP
Battery Level Indication		•
DIMENSIONS, WEIGHT		
Dimensions (W × H × D)		251 × 138 × 91 mm
Weight		1.3 kg (with batteries), 1 kg (w/o batteries)

*1 Not for RF-D10 (GN) *2 DAB scan can be done by selecting Full Scan from menu. – Specifications are subject to change without notice. Weight and dimensions are approximate.

COMPACT MUSIC SYSTEMS

		SC-ALL5CD	SC-PMX100	SC-PMX70	SC-HC49 // 39	SC-HC29 // 19
		Smart Wireless HiFi System	HiFi Music System	HiFi Music System	Design Micro HiFi System	Design Micro HiFi System
AUDIO SYSTEM						
Output Channel		2ch	2ch	2ch	2ch	2ch
Total Power Output (RMS)		40W	120W	120W	40W	20W
PLAYABLE DISCS						
CD, CD-R/-RW*1	CD-DA / MP3*2	• / •	• / •	• / •	• / •	• / •
USB						
Slot		•	• (×2)	• (×1)	•	•
USB Standard		USB 2.0 Full Speed	USB 2.0 High Speed	USB 2.0 High Speed	USB 2.0 Full Speed	USB 2.0 Full Speed
Playback		MP3	MP3, AIFF, AAC, FLAC (up to 192kHz / 24bit), WAV (up to 192kHz / 24bit)	MP3, AIFF, AAC, FLAC (up to 192kHz/24bit), WAV (up to 192kHz / 24bit)	MP3	MP3
PLAYABLE FORMAT						
MP3 / AAC / WAV / FLAC / ALAC		•				
TUNER						
Band / Station Presets		FM / 30, DAB, DAB Plus / 20	FM / 30	FM / 30	FM / 30	FM / 30
RDS / Auto Tuning		• / •	• / •	• / •	• / •	• / •
SMART NETWORKING						
Multi-room Audio with Qualcomm® ALLPlay™		•	•	–	–	–
Wireless LAN System		•	•	–	–	–
Party-Mode*3 / Multi-Zone*4		• / •	• / •	–	– / –	– / –
DLNA / AirPlay		• / •	• / •	– / •	– / –	– / –
Wi-Fi Frequency Range		• (5GHz / 2.4GHz)	• (5GHz / 2.4GHz) (TENTATIVE)	–	–	–
Ethernet (10 Base-T / 100 Base-TX)		•	• (TENTATIVE)	–	–	–
WPS support		•	•	–	–	–
Wireless Audio with DLNA		•	•	–	–	–
Bluetooth® Wireless technology		•	•	•	•	• // –
Panasonic Music Streaming App*5		•	•	•	•	• // –
NFC™ (One-Touch Connection)*6		•	•	•	•	• // –
USB Connection for iPod / iPad / iPhone*7		– (TENTATIVE)	• (Playback / Charging)	• (Playback / Charging)	• // –	–
Re-streaminig (Bluetooth®, CD, Radio, USB, AUX)		•	•	–	–	–
Stereo Paring		•	•	–	–	–
HIGH QUALITY SOUND						
Full Digital Amplifier System		•	•	•	•	•
LincsD-Amp		• (3rd generation)	• (3rd generation)	• (3rd generation)	• (2nd generation) / •	– / •
VDGA (Variable Digital Gain Amplifier)		–	•	–	–	–
Virtual Battery Power Supply		–	•	–	–	–
USB-DAC Function		–	MP3, AIFF, ALAC, FLAC (up to 192kHz / 24bit), WAV (up to 192kHz / 24bit)	–	–	–
XBS Master		•	•	•	•	•
Super Sonic Tweeter		–	•	–	–	–
Bamboo Plant Opal Cone / Bamboo Carcoal PP Cone		– / –	• (Woofer) / –	– / • (Woofer)	– / –	– / –
Preset EQ		4 (Heavy, Clear, Soft, Vocal) + Flat	4 (Heavy, Clear, Soft, Vocal) + Flat	4 (Heavy, Clear, Soft, Vocal) + Flat	4 (Heavy, Clear, Soft, Vocal) + Flat	4 (Heavy, Clear, Soft, Vocal) + Flat
Bass & Treble Control		•	• (Knob on main unit)	• (Knob on main unit)	•	•
Bluetooth® Re-master		•	•	•	•	• // –
SPEAKER SYSTEM						
Front Speaker	Configuration	2-way 2 speakers system (Dual Passive Radiator)	3-way 3 speaker system	3-way 3 speaker system	1-way 1 speaker, Dual Passive Radiator	1-way 1 speaker, Bass-reflex
	Speaker Unit	6.5 cm Full Range ×2	Woofer: 14 cm Cone Type (TENTATIVE) Tweeter: 1.9 cm Dome Type (TENTATIVE) Super Sonic Tweeter: 1.2 cm Piezo Type (TENTATIVE)	Woofer: 14 cm Cone Type Tweeter: 1.9 cm Dome Type Super Tweeter: 1.5 cm Piezo Type	Full Range: 6.5 cm Cone Type	Full Range: 8 cm Cone Type
	Bass Expand	Passive Radiator ×2 ×2				
TERMINAL						
Analogue Audio Input (AUX)	Pin Jack	–	•	•	–	–
	Stereo (3.5 mm Jack)	•	–	–	– // •	• // –
Headphone Output		–	•	•	–	–
LAN (Ethernet) Terminal	10 Base-T / 100 Base-TX	•	•	–	–	–
OTHERS						
Power Supply		AC 220–240 / 250V, 50Hz	AC 220–240V, 50Hz (TENTATIVE)	AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz
Power Consumption	Normal Use	22W (TENTATIVE)	60W (TENTATIVE)	60W	37W	22W
	Stand-by*8	0.3W	0.4W (TENTATIVE)	0.4W	0.2W*9	0.2W*9 // 0.2W
Wall-Mountable / Motorized Door for CD		• / –	– / –	– / –	• / • (HC49: Push Open Door for iPod / iPhone)	• / •
Personalized (Preset) Buttons for Internet radio		• (6 presets: no direct buttons App / Remote control operation)				
Music Alarm / Programmable Timer		• / –	– / • (PLAY / SLEEP)	– / • (PLAY / SLEEP)	– / • (PLAY / SLEEP)	– / • (PLAY / SLEEP)
Auto Power Off / Dimmer		• / •	• / •	• / •	• / •	• / •
Display / Remote Control		• (Clock) / •	Dot Matrix FL / •	FL / •	FL / •	FL / •
DIMENSIONS, WEIGHT						
Main Unit	W × H × D / Weight	373 × 224 × 138 mm / 4.2 kg (TENTATIVE)	210 × 120 × 266 mm / 3.1 kg (TENTATIVE)	211 × 114 × 267 mm / 2.8 kg	500 × 205 × 92 mm / 2.5 kg	400 × 197 × 107 mm / 1.9 kg
Front Speaker	W × H × D / Weight		161 × 238 × 264 mm / 3.0 kg	161 × 238 × 262 mm / 2.6 kg	–	–

*1 Playability may vary depending on the content, disc and quality of the recording. *2 For content-recorded disc media from CDs for your personal use. *3 Party-Mode: playing a single sound source simultaneously through multiple speakers. The maximum number of speakers is limited (Under study). *4 Multi Zone: playing each of multiple songs within the same network to separate speakers. The maximum number of sound sources is limited (Under study).When using a subscription service, this function depends on the conditions of the service provider (Under study). *5 Download on the App Store. Download on Google Play™. *6 To use NFC™ without downloading App, an OS Version 4.1 or later AndroidTM device is required. The installation of the Panasonic Music Streaming App allows use of an Android smartphone or tablet with the NFC™ function and OS Version 4.1 or earlier. Specifications are subject to change without notice. All numbers given here are approximate. *7 Not all models are compatible. See dealer for details. *8 Bluetooth® Stand-by off *9 No device is connected to the USB port or iPhone / iPod Dock before power off. Stand-by (Bluetooth® Stand-by on) power consumption approximately 0.3W. – Specifications are subject to change without notice. Weight and dimensions are approximate.

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SOUNDBARS

			SC-ALL70T	SC-HTB885	SC-HTB690	SC-HTB485	SC-HTB170	SC-HTB8
			Smart Wireless Soundbar	Soundbar	Soundbar	Soundbar	Soundbar	Soundbar
AUDIO SYSTEM								
Output Channel			3.1ch	5.1ch	3.1ch	2.1ch	2.1ch	2ch
Power Output	Home Theatre Mode (RMS)	Total Power	350W	500W	350W	250W	120W	80W
		Front	70W / ch (1kHz, 6ohms, 10 % THD)	50W / ch (1kHz, 6ohms, 10 % THD)	70W / ch (1kHz, 6ohms, 10 % THD)	60W / ch (1kHz, 6ohms, 10 % THD)	30W ×2 (1kHz, 6 ohms, 10 % THD)	40W / ch (1kHz, 8 ohms, 10 % THD)
		Centre	70W (1kHz, 6ohms, 10 % HD)	50W (1kHz, 6ohms, 10 % THD)	70W (1kHz, 6ohms, 10 % HD)	–	30W ×2 (1kHz, 6 ohms, 10 % THD)	–
		Surround	–	50W/ch (1kHz, 6ohms, 10 % THD)	–	–	–	–
		Subwoofer	140W (100Hz, 3ohms, 10 % THD)	250W (100Hz, 8ohms, 10 % THD)	140W (100Hz, 3ohms, 10 % THD)	130W (100Hz, 8ohms, 10 % THD)	60W (100Hz, 3 ohms, 10 % THD)	–
Dolby Digital			•	•	•	•	•	–
Dolby Pro Logic II / Dolby Virtual Speaker			•	•	•	•	•	–
DTS Digital Surround			•	•	•	•	•	–
SMART NETWORKING								
Multi-room Audio with Qualcomm® ALLPlay™			•	–	–	–	–	–
Wireless LAN System			•	–	–	–	–	–
Party-Mode*1 / Multi-zone*2			–	–	–	–	–	–
Wi-Fi Frequency Range			• (5GHz / 2.4GHz)	–	–	–	–	–
Ethernet (10 Base-T / 100 Base-TX)			•	–	–	–	–	–
WPS support			•	–	–	–	–	–
Bluetooth® Wireless technology			•	•	•	•	•	•
Panasonic Music Streaming App*3			•	•	•	•	•	•
NFC™ (One-Touch Connection)*4			•	•	•	•	–	–
Re-streaminig (Bluetooth®, CD, Radio, USB, AUX)			• (Bluetooth®)	–	–	–	–	–
HIGH QUALITY SOUND								
LincsD-Amp			–	• (2nd generation)	–	–	–	–
Clear-mode Dialog			•	•	•	•	•	–
Dialog Level Control			•	•	•	•	•	–
Multi-angle Speaker Layout			• (0deg / 90deg)	• (0deg / 90deg)	• (0deg / 90deg)	• (0deg / 90deg)	•	•
aptX® Low Latency			–	•	–	–	–	–
H.Bass			•	•	•	•	•	–
Up to 7.1ch Linear PCM Input via HDMI			•	•	•	•	•	–
HIGH QUALITY PICTURE								
FULL HD 3D Compatible			•	•	•	•	•	–
1,080p Output (x.v. Colour, Deep Colour)			•	•	•	•	•	–
EASY OPERATION								
4K / 60p Signal Pass Through			• (HDCP2.2)	• (HDCP2.2)	• (HDCP2.2)	–	–	–
Wireless Subwoofer			•	•	•	•	–	–
Auto Gain Control			•	•	•	•	•	–
ARC (Audio Return Channel)*5			•	•	•	•	•	–
IR Blaster Included			•	•	•	•	•	–
VIERA Link™			•	•	•	•	•	–
Wall-Mountable Speaker			•	•	•	•	•	•
SPEAKER SYSTEM								
Front	Configuration		2-way 2 speaker, Bass-reflex (TENTATIVE)	2-way 2 speaker, Bass-reflex	2-way 2 speaker, Bass-reflex (TENTATIVE)	1-way 1 speaker, Bass-reflex	2-way 2 speakers, Bass-reflex	1-way 1 speaker, Passive radiator
	Speaker Unit		Full Range: 6.5 cm Cone Type	Woofer: 6.5 cm Cone Type Tweeter: 2.5 cm Semi-dome Type	Full Range: 6.5 cm Cone Type	Full Range: 6.5 cm Cone Type	Full Range: 5.7 cm Cone Type ×2 Tweeter: 2.5 cm Semi-dome Type ×2	Full Range: 8 cm Cone Type ×2 Full
Centre	Configuration		1-way 1 speaker, Bass-reflex (TENTATIVE)	1-way 1 speaker, Bass-reflex	1-way 1 speaker, Bass-reflex (TENTATIVE)	-	-	-
	Speaker Unit		Full Range: 6.5 cm Cone Type	Full Range: 6.5 cm Cone Type	Full Range: 6.5 cm Cone Type	–	–	–
Surround	Configuration		–	1-way 1 speaker, Bass-reflex	–	–	–	–
	Speaker Unit		–	Full Range: 6.5 cm Cone Type	–	–	–	–
Subwoofer	Configuration		1-way 1 speaker, Bass-reflex (TENTATIVE)	1-way 1 speaker, Bass-reflex	1-way 1 speaker, Bass-reflex (TENTATIVE)	1-way 1 speaker, Bass-reflex (TENTATIVE)	1-way 2 speakers, Bass-reflex	–
	Speaker Unit		Woofer: 16 cm Cone Type	Woofer: 16 cm Cone Type	Woofer: 16 cm Cone Type	Woofer: 16 cm Cone Type	Woofer: 8cm Cone Type x 2	–
TERMINAL								
HDMI Output / HDMI Input			• (TV) / • (BD / DVD)	• (TV) / • (2) (BD / DVD, AUX)	• (TV) / • (BD / DVD)	• (TV) / • (BD / DVD)	• (TV) / • (BD / DVD)	– / –
Optical Digital Audio Input			• (TV)	• (TV)	• (TV)	• (TV)	• (TV)	• (TV)
Analogue Audio Input (AUX)	Pin Jack		–	–	–	–	–	• (BD / DVD)
OTHERS								
Power Supply			AC 220–240V, 50Hz	AC 220–240V, 50Hz (EB) AC 230V, 50Hz (EG)	AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz
Power Consumption	Front	Normal Use	42W	33W	42W	34W	22W	20W
		Stand-by (Bluetooth® Stand-by off)	0.48W*6	0.49W*6	0.48W*6	0.48W*6	0.4W	0.5W
	Subwoofer	Normal Use	30W	46W	30W	23W	–	–
		Stand-by (Power switch off)	0.48W*7	0.2W*7	0.48W*7	0.29W*7	–	–
Display / Remote Control			FL (Dot Matrix) / •	FL (Dot Matrix) / •	FL (Dot Matrix) / •	FL (Dot Matrix) / •	– / •	– / –
DIMENSIONS, WEIGHT								
Front Speaker	Dimensions (W × H × D) / Weight		950 × 55 × 120 mm / 2.6 kg	1,125 × 51 × 121 mm / 3.1 kg	950 × 55 × 120 mm / 2.6 kg	950 × 53 × 110 mm / 2.5 kg	950 × 66 × 105 mm / 3.4 kg	750 × 65.5 × 118 mm / 2.3 kg
Subwoofer	Dimensions (W × H × D) / Weight		180 × 378 × 303 mm / 5.0 kg	180 × 408 × 306 mm / 5.4 kg	180 × 378 × 303 mm / 5.0 kg	180 × 408 × 306 mm / 5.0 kg	– / –	– / –

*1 Party-Mode: playing a single sound source simultaneously through multiple speakers. The maximum number of speakers is limited (Under study). *2 Multi Zone: playing each of multiple songs within the same network to separate speakers. The maximum number of sound sources is limited (Under study). When using a subscription service, this function depends on the conditions of the service provider (Under study). *3 Download on the App Store. Download on Google Play™. *4 To use NFC™ without downloading App, an OS Version 4.1 or later AndroidTM device is required. The installation of the Panasonic Music Streaming App allows use of an Android smartphone or tablet with the NFC™ function and OS Version 4.1 or earlier. *5 ARC compatible TV is required. *6 The other connected devices have to be turned off. Stand-by (Bluetooth® Stand-by on) power consumption approximately 0.3W(HTB885/ HTB485)(TENTATIVE), 3.5W (ALL70T/ HTB690)(TENTATIVE). *7 Stand-by (Wireless Link is not activated) power consumption approximately 0.4W(HTB885)(TENTATIVE), 1.0W (ALL70T/ HTB690)(TENTATIVE), 1.3W(HTB485) (TENTATIVE). Specifications are subject to change without notice. All numbers given here are approximate. TRADEMARK NOTICE: Dolby and the double-D symbol are registered trademarks of Dolby Laboratories. DTS, DTS-HD, the Symbol & DTS and the Symbol together are registered trademarks, and DTS-HD Master Audio is a trademark of DTS, Inc. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth® SIG, Inc. and any use of such marks by Panasonic Corporation is under license. Other trademarks and trade names are those of their respective owners. Apple and the Apple logo are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc. 'Google Play' and 'Android' are trademarks of Google Inc. aptX® software is copyright CSR plc or its group companies. All rights reserved. The aptX® mark and the aptX logo are trademarks of CSR plc or one of its group companies and may be registered in one or more jurisdictions. HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. The N Mark is a trademark or registered trademark of NFC™ Forum, Inc. in the United States and in other countries. Qualcomm is a trademark of Qualcomm Incorporated, registered in the United States and other countries. Used with permission. ALLPlay is a trademark of Qualcomm Connected Experiences, Inc., registered in the United States and other counties. Used with permission.

SPEAKERBOARDS

			SC-ALL30T	SC-HTE200	SC-HTE80
			Smart Wireless Speakerboard	Speakerboard	Speakerboard
AUDIO SYSTEM					
Output Channel			2.1ch	2.1ch	2.1ch
Power Output	Home Cinema Mode (RMS)	Total Power	200W	200W	120W
		Front	30W / ch (1kHz, 6ohms, 10% THD) (TENTATIVE)	30W / ch (1kHz, 6ohms, 10% THD) (TENTATIVE)	30W x 2 (1kHz, 6 ohms, 10% THD)
		Subwoofer	60W (100Hz, 3ohms, 10% THD) (TENTATIVE)	60W (100Hz, 3ohms, 10% THD) (TENTATIVE)	60W (100Hz, 3 ohms, 10% THD)
Dolby Digital			•	•	•
Dolby Pro Logic II / Dolby Virtual Speaker			•	•	•
DTS Digital Surround			•	•	•
SMART NETWORKING					
Multi-room Audio with Qualcomm® ALLPlay™			•	–	–
Wireless LAN System			•	–	–
Bluetooth® Wireless technology			•	•	•
Panasonic Music Streaming App*1			•	•	•
NFC™ (One-Touch Connection)*2			•	•	•
Re-streaminig (Bluetooth®, CD, Radio, USB, AUX)			• (Bluetooth®, AUX)	–	–
HIGH QUALITY SOUND					
Clear-mode Dialog			•	•	•
Dialog Level Control			•	•	•
H.Bass			•	•	•
Sound Mode (Standard, Stadium, Music, Cinema, News, Stereo)			•	•	•
Up to 7.1ch Linear PCM Input via HDMI			•	•	•
Long Aero Stream Port			•	•	•
Dual Integrated Subwoofer			•	•	•
HIGH QUALITY PICTURE					
FULL HD 3D Compatible			•	•	•
1080p Output (x.v. Colour, Deep Colour)			•	•	•
EASY OPERATION					
4K / 60p Signal Pass Through			• (HDCP2.2)	• (HDCP2.2)	–
Auto Gain Control			•	•	•
ARC (Audio Return Channel)*3			•	•	•
VIERA Link™ (HDAVI Control 5)			•	•	•
HDMI CEC			•	•	•
SPEAKER SYSTEM					
Front	Configuration		1-way 1 speaker, Bass-reflex (TENTATIVE)	1-way 1 speaker, Bass-reflex (TENTATIVE)	1-way 1 speaker, Bass-reflex
	Speaker Unit		Full range: 3.8 × 9 cm Cone Type ×2 (TENTATIVE)	Full range: 3.8 × 9 cm Cone Type ×2 (TENTATIVE)	Full range: 3.8 × 9 cm Cone Type ×2
Subwoofer	Configuration		1-way 2 speakers, Bass-reflex (TENTATIVE)	1-way 2 speakers, Bass-reflex (TENTATIVE)	1-way 2 speakers, Bass-reflex
	Speaker Unit		Woofer: 8 cm Cone Type 2 (TENTATIVE)	Woofer: 8 cm Cone Type ×2 (TENTATIVE)	Woofer: 8 cm Cone Type ×2
TERMINAL					
HDMI Output			• (TV)	• (TV)	• (TV)
HDMI Input			• (BD / DVD)	• (BD / DVD)	• (BD / DVD)
Optical Digital Audio Input			• (TV)	• (TV)	• (TV)
Analogue Audio Input (AUX)	Pin Jack		•	•	•
	3.5 mm Jack		–	–	–
OTHERS					
Power Supply			AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz
Power Consumption	Normal Use		27W (TENTATIVE)	27W (TENTATIVE)	27W
	Stand-by		0.25W*4 (TENTATIVE)	0.25W*4 (TENTATIVE)	0.25W*4
Display			FL (Dot matrix)	FL (Dot matrix)	FL (Dot matrix)
Remote Control			•	•	•
DIMENSIONS, WEIGHT					
Dimensions (W × H × D)			700 × 60 × 365 mm (TENTATIVE)	700 × 60 × 365 mm (TENTATIVE)	460 × 60 × 280 mm
Weight			4.5 kg (TENTATIVE) (Maximum Loading: 50 kg)	4.5 kg (TENTATIVE) (Maximum Loading: 50 kg)	3.2 kg (Maximum Loading: 30 kg)

*1 App is available on the App Store. App is available on Google Play™. *2 To use NFC™ without downloading App, an OS Version 4.1 or later AndroidTM device is required. The installation of the Panasonic Music Streaming App allows use of an Android smartphone or tablet with the NFC™ function and OS Version 4.1 or earlier.
*3 ARC compatible TV is required. *4 The other connected devices have to be turned off. Stand-by (Bluetooth® Stand-by on) power consumption approximately 1.5W (TENTATIVE). Specifications are subject to change without notice. All numbers given here are approximate.

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HEADPHONES

	RP-HD10	BTD5	HJX5	HJX20
	Headphones	Headphones	Headphones	Headphones
SPECIFICATIONS				
Headphone Type / Drive Unit Neodymium	High Resolution / 50 mm	Bluetooth® / 40 mm	In-Ear / 12 mm	In-Ear / 13.5 mm
Impedance	18 ohm	32 ohm	16 ohm	26 ohm
Sensitivity	92 dB / mW	–	103 dB / mW	103 dB / mW
Frequency response	4Hz–50kHz	9Hz–24kHz	5Hz–25kHz	4Hz–35kHz
Cord length / Weight without cord	1.2 m and 3.0 m detachable / 305 g	not availabl / 155 g	1.2 / 6 g	1.2 / 9 g
Plug 3.5 mm / 6.3 mm	• / •	not available	• / –	• / –
Nickel / Gold	– / •	not available	– / •	– / •
BLUETOOTH®				
Operating Distance		Up to 10m		
Power Supply		DC 5V 500mA		
Internal Battery		3.6V (Li-ion 690mAh)		
Operating Time		Approx. 40 hours		

HOME CINEMA SYSTEMS

		SC-BTT885	SC-BTT865	SC-BTT505	SC-BTT465	SC-BTT405	SC-BTT105
		Home Cinema System	Home Cinema System	Home Cinema System	Home Cinema System	Home Cinema System	Home Cinema System
PLAYABLE DISCS							
BD-ROM	FULL HD 3D / BD-Video	•	•	•	•	•	•
BD-RE / BD-RE DL (Ver.3)	JPEG / MPO	•	•	•	•	•	•
BD-R / BD-R DL (Ver.2)	Xvid / MKV	•	•	•	•	•	•
DVD	DVD-Video	•	•	•	•	•	•
DVD-R™1 / DVD-R DL™1 / DVD-RW™1	DVD-Video / -Recording	•	•	•	•	•	•
	AVCHD	•/•*/•* (*DVD-R / DVD-R DL)	•/•*/•* (*DVD-R / DVD-R DL)	•/•*/•* (*DVD-R / DVD-R DL)	•/•*/•* (*DVD-R / DVD-R DL)	•/•*/•* (*DVD-R / DVD-R DL)	•/•*/•* (*DVD-R / DVD-R DL)
	FLAC / WAV / WMA / AAC / MP3	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)
	JPEG / MPO	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)
DVD+R™1 / DVD+R DL™1 / DVD+RW™1	Video / AVCHD	•	•	•	•	•	•
CD, CD-R / CD-RW	CD-DA	•	•	•	•	•	•
	Xvid / MKV	•	•	•	•	•	•
	FLAC / WAV / WMA / AAC / MP3	•	•	•	•	•	•
	JPEG / MPO	•	•	•	•	•	•
AUDIO SYSTEM							
Output Channel		5.1ch	5.1ch	5.1ch	5.1ch	5.1ch	2.1ch
Power Output: Home Cinema Mode (RMS)	Total Power	1,200W	1,200W	1,200W	1,000W	600W	300W
	Front	200W / ch (1kHz, 3 ohms, 10 % THD)	200W / ch (1kHz, 3 ohms, 10 % THD)	200W / ch (1kHz, 3 ohms, 10 % THD)	167W / ch (1kHz, 4 ohms, 30 % THD)	100W / ch (1kHz, 4 ohms, 30 % THD)	100W / ch (1kHz, 4 ohms, 30 % THD)
	Centre	200W (1kHz, 3 ohms, 10 % THD)	200W (1kHz, 3 ohms, 10 % THD)	200W (1kHz, 3 ohms, 10 % THD)	167W (1kHz, 4 ohms, 30 % THD)	100W (1kHz, 4 ohms, 30 % THD)	–
	Surround	200W / ch (1kHz, 3 ohms, 10 % THD)	200W / ch (1kHz, 3 ohms, 10 % THD)	200W / ch (1kHz, 3 ohms, 10 % THD)	167W / ch (1kHz, 4 ohms, 30 % THD)	100W / ch (1kHz, 4 ohms, 30 % THD)	–
	Subwoofer	200W (55Hz, 3 ohms, 10 % THD)	200W (55Hz, 3 ohms, 10 % THD)	200W (55Hz, 3 ohms, 10 % THD)	167W (55Hz, 4 ohms, 30 % THD)	100W (55Hz, 4 ohms, 30 % THD)	100W (55Hz, 4 ohms, 30 % THD)
Dolby Digital / Dolby Digital Plus (Dolby TrueHD) / Dolby Pro Logic II		•/•/•	•/•/•	•/•/•	•/•/•	•/•/•	•/•/–
DTS-HD Master Audio Essential / DTS-HD High Resolution Audio		•	•	•	•	•	•
USB							
Slot		• (2)	• (2)	• (2)	•	•	•
	Front / Rears	For Playback	For Playback	For Playback	For Playback / –	For Playback / –	For Playback / –
USB Standard		USB 2.0 High Speed	USB 2.0 High Speed	USB 2.0 High Speed	USB 2.0 High Speed	USB 2.0 High Speed	USB 2.0 High Speed
Playback	FLAC / WAV / WMA / AAC / MP3	•	•	•	•	•	•
	Xvid / MKV / MP4 / MPEG-2 / JPEG / MPO	•	•	•	•	•	•
HIGH-QUALITY PICTURE							
Built-in 4K (Ultra HD) Upscaling*2		•	•	•	–	–	–
2D-3D Conversion / 3D Effect Controller		• (BD / DVD / CD / VOD / USB / NAS)	• (BD / DVD / CD / VOD / USB / NAS)	• (BD / DVD / CD / VOD / USB / NAS)	–	–	–
Full HD Upsampling		•	•	•	•	•	•
1,080 / 24p Playback*3 / 1,080p Up-Conversion with HDMI		•	•	•	•	•	•
Deep Colour / x.v.Colour*4		•	•	•	•	•	•
HIGH-QUALITY SOUND							
3D Cinema Surround		• (Advanced)	• (Advanced)	• (Advanced)	–	–	–
LincsD-Amp		• (2nd generation)	• (2nd generation)	• (2nd generation)	–	–	–
Digital Music Connection for iPod / iPhone		•	•	•	–	–	–
Powerful Bass-reflex Subwoofer		–	–	–	•	•	•
H.Bass		•	•	•	–	–	–
EQ / Centre Focus / Subwoofer Level		•	•	•	•	•	•
EASY OPERATION							
Wireless Rear Speakers		• (Included)	• (Included)	• (Included)	–	–	–
Smartphone Remote Control*5*6		•	•	•	•	•	•
Multi-User Mode / Stylish GUI / Wallpaper		•	•	•	•	•	•
Selectable Speaker Layout (Front Speaker Layout) / ARC		•	•	•	•	•	–/•
Easy Settings		•	•	•	•	•	•
SMART NETWORKING							
Internet Apps™*7 / Panasonic Music Streaming App*6		•/•	•/•	•/•	• (Simple) / •	• (Simple) / •	• (Simple) / •
Bluetooth® Wireless Technology / aptX Low Latency		•/•	•/•	•/•	•/–	•/–	•/–
DLNA (DMP&DMR) / Network Drive Access / BD-Live™*10		•	•	•	–/•/•	–/•/•	–/•/•
NFC™ (One-Touch Connection)*8 / Miracast™*9		•	•	•	•/–	•/–	•/–
Wireless LAN System		• (Built-in)	• (Built-in)	• (Built-in)	Capable with Optional Adaptor*10	Capable with Optional Adaptor*10	Capable with Optional Adaptor*10
External HDD Playback*11		•	•	•	•	•	•
USB Connection for iPod, iPhone / iPod, iPhone Playback (Music)		• (Integrated) / •	• (Integrated) / •	• (Integrated) / •	–/–	–/–	–/–
SPEAKER SYSTEM							
Front	Configuration	2-way 3 speakers, Bass-reflex	2-way 3 speakers, Bass-reflex	2-way 3 speakers, Bass-reflex	2-way 2 speakers, Bass-reflex	2-way 2 speakers, Bass-reflex	2-way 2 speakers, Bass-reflex
	Speaker Unit [Approx.]	Woofer: 8 cm Cone Type ×2 Tweeter: 2 cm Dome Type	Woofer: 8 cm Cone Type ×2 Tweeter: 2 cm Dome Type	Woofer: 8 cm Cone Type ×2 Tweeter: 2 cm Dome Type	Full Range: 6.5 cm Cone Type Super Tweeter: Piezo Type	Full Range: 6.5 cm Cone Type Super Tweeter: Piezo Type	Full Range: 6.5 cm Cone Type Super Tweeter: Piezo Type
Centre	Configuration	2-way 3 speakers, Bass-reflex	2-way 3 speakers, Bass-reflex	2-way 3 speakers, Bass-reflex	2-way 3 speakers, Bass-reflex	2-way 3 speakers, Bass-reflex	–
	Speaker Unit [Approx.]	Woofer: 6.5 cm Cone Type ×2 Tweeter: 2 cm Dome Type	Woofer: 6.5 cm Cone Type ×2 Tweeter: 2 cm Dome Type	Woofer: 6.5 cm Cone Type ×2 Tweeter: 2 cm Dome Type	Full Range: 6.5 cm Cone Type Super Tweeter: Piezo Type ×2	Full Range: 6.5 cm Cone Type Super Tweeter: Piezo Type ×2	–
Surround	Configuration	2-way 3 speakers, Bass-reflex	2-way 3 speakers, Bass-reflex	2-way 3 speakers, Bass-reflex	2-way 2 speakers, Bass-reflex	2-way 2 speakers, Bass-reflex	–
	Speaker Unit [Approx.]	Woofer: 8 cm Cone Type ×2 Tweeter: 2 cm Dome Type	Woofer: 8 cm Cone Type ×2 Tweeter: 2 cm Dome Type	Woofer: 8 cm Cone Type ×2 Tweeter: 2 cm Dome Type	Full Range: 6.5 cm Cone Type Super Tweeter: Piezo Type	Full Range: 6.5 cm Cone Type Super Tweeter: Piezo Type	–
Subwoofer	Configuration	1-way 1 speaker, Bass-reflex	1-way 1 speaker, Bass-reflex	1-way 1 speaker, Bass-reflex	1-way 1 speaker, Bass-reflex	1-way 1 speaker, Bass-reflex	1-way 1 speaker, Bass-reflex
	Speaker Unit [Approx.]	Woofer: 20 cm Cone Type	Woofer: 20 cm Cone Type	Woofer: 20 cm Cone Type	Woofer: 16 cm Cone Type	Woofer: 16 cm Cone Type	Woofer: 16 cm Cone Type
TERMINAL							
HDMI Output / Video Output		•/–	•/–	•/–	•/–	•/–	•/–
HDMI Input / Digital Audio Input		• (2) / •	• (2) / •	• (2) / •	–/•	–/•	–/•
Music Port		–	–	–	–	–	–
Analogue Audio Input (AUX)	Pin Jack	•	•	•	•	•	•
LAN (Ethernet) Terminal for BD-Live™*12, Internet Apps™*7, Firmware Update		•	•	•	• (Internet Apps: Simple)*7	• (Internet Apps: Simple)*7	• (Internet Apps: Simple)*7
OTHERS							
Video System		PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC
Power Supply		AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz
Power Consumption	Normal Use / Stand-by [Approx.]	TBC	TBC	TBC	89W / 0.5W	64W / 0.5W	46W / 0.5W
Band / Station Presets		FM / 30	FM / 30	FM / 30	FM / 30	FM / 30	FM / 30
RDS		•	•	•	•	•	•
DIMENSIONS, WEIGHT							
Main Unit	Dimensions (W × H × D) / Weight	430 × 65 × 326 mm / 2.9 kg	430 × 65 × 326 mm / 2.9 kg	430 × 65 × 326 mm / 3.0 kg	430 × 55 × 322 mm / 2.7 kg	430 × 55 × 322 mm / 2.6 kg	430 × 55 × 322 mm / 2.6 kg
Front Speaker	Dimensions (W × H × D) / Weight	270 × 1300 × 270 mm*14 / 4.0 kg*14	270 × 1300 × 270 mm*14 / 4.0 kg*14	157 × 537 × 155 mm*14 / 1.9 kg*14	270 × 1181 × 270 mm*14 / 2.7 kg*14	83 × 141 × 75 mm / 0.5 kg	83 × 141 × 75 mm / 0.5 kg
Centre Speaker	Dimensions (W × H × D) / Weight	349 × 89 × 94 mm / 1.2 kg	349 × 89 × 94 mm / 1.2 kg	349 × 89 × 94 mm / 1.2 kg	304 × 87 × 77 mm / 0.7 kg	304 × 87 × 77 mm / 0.7 kg	–/–
Surround Speaker	Dimensions (W × H × D) / Weight	270 × 1300 × 270 mm*14 / 4.0 kg*14	157 × 537 × 155 mm*14 / 1.9 kg*14	157 × 537 × 155 mm*14 / 1.9 kg*14	83 × 141 × 75 mm / 0.5 kg	83 × 141 × 75 mm / 0.5 kg	–/–
Subwoofer	Dimensions (W × H × D) / Weight	258 × 424 × 334 mm / 9.0 kg	258 × 424 × 334 mm / 9.0 kg	258 × 424 × 334 mm / 9.0 kg	156 × 290 × 263 mm / 3.4 kg	156 × 290 × 263 mm / 3.4 kg	156 × 290 × 263 mm / 3.4 kg

*1 Discs recorded and finalised on recording devices. *2 Only Full-HD and SD 24p content can be up-converted for 4K2K resolution. For 4K Upscaling playback a TV with same resolution is required. *3 For BD-ROM/ BD-R and DVD-Video via HDMI. *4 This function is effective only when reproducing AVCHD data recorded with x.v.Colour technology. The function cannot be used with BD-ROM or DVD-ROM discs. HDMI connection is required. *5 Requires the device with the App installed and the home cinema to be connected to the same home network. *6 App is available in the App Store. App is available in Google Play. *7 Requires broadband Internet service. *8 OS Version 4.1 or later, Android device compatible with NFC™ only. *9 Compatible with Android devices, Ver. 4.2 and above and Miracast™ certified. For information on whether the smartphone, etc. supports Miracast, contact the manufacturer of the device. *10 With the purchase of Wireless LAN Adaptor DY-WL5. *11 The external HDD with capacities of 2TB or less in processing NTFS/ FAT32 data is supported. Playback is not possible with some external hard disc drives. *12 To enjoy content, you will need to insert an SD card or USB flash drive (1GB or more of free space/ sold separately). Requires broadband Internet service. *13 When the other connected devices are turned off. *14 Full assembly with stand base. – Playability may vary depending on the content, disc and quality of the recording. For content-recorded disc for your personal use. *15 With the purchase of SH-FX82. – Specifications are subject to change without notice. Weight and dimensions are approximate.

** Vertical Placement with stand, Horizontal Placement for Wall-Mount: 1,062 × 68 × 41 mm // 1.49 kg TRADEMARK NOTICE: Blu-ray Disc, Blu-ray and the logos are trademarks of the Blu-ray Disc Association. AVCHD and the AVCHD logo are trademarks of Panasonic Corporation and Sony Corporation. DLNA, the DLNA Logo and DLNA CERTIFIED are trademarks, service marks, or certification marks of the Digital Living Network Alliance. The Bluetooth® word mark and logos are owned by the Bluetooth® SIG, Inc. and any use of such marks by Panasonic Corporation is under licence. Other trademarks and trade names are those of their respective owners. aptX software is copyright CSR plc or its group companies. All rights reserved. The aptX mark and the aptX logo are trademarks of CSR plc or one of its group companies and may be registered in one or more jurisdictions. Dolby and the double-D symbol are registered trademarks of Dolby Laboratories. DTS, DTS-HD, the Symbol & DTS and the Symbol together are registered trademarks, and DTS-HD Master Audio is a trademark of DTS, Inc. MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson. Apple and the Apple logo are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc. Google Play and Android are trademarks of Google Inc. Miracast™ is a mark or registered mark of the Wi-Fi Alliance. HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. iPhone, and iPod are trademarks of Apple Inc., registered in the U.S. and other countries.

BLU-RAY PLAYER

			DMP-BDT700	DMP-BDT460/65	DMP-BDT370/71	DMP-BDT270/71	DMP-BDT170/71	DMP-BDT174/75	DMP-BDT165/66	DMP-BD83
			Blu-ray Player	Blu-ray Player	Blu-ray Player	Blu-ray Player	Blu-ray Player	Blu-ray Player	Blu-ray Player	Blu-ray Player
PLAYABLE DISCS										
BD-ROM	FULL HD 3D / BD-Video		•	•	•	•	•	•	•	–/
BD-RE / BD-RE DL (Ver.3)	BDAV / BDMV / JPEG / MPO / FLAC / WAV / AAC / WMA / MP3 / ALAC / DSD		•	• (BDAV / BDMV / JPEG / MPO / FLAC / WAV / AAC / WMA / MP3)	•	•	•	•	•	•*2
BD-R / BD-R DL (Ver.2)	BDAV / BDMV / Xvid / MKV / FLAC / WAV / AAC / WMA / MP3 / ALAC / DSD		•	• (BDAV / BDMV / JPEG / MPO / FLAC / WAV / AAC / WMA / MP3)	•	•	•	•	•	•*except DSD
DVD	DVD-Video		•	•	•	•	•	•	•	•
DVD-R™1 / DVD-R DL™1 / DVD-RW™1	DVD-Video / -Recording		•	•	•	•	•	•	•	•
	AVCHD		•	•	•	•	•	•	•	•
	Xvid / MKV / FLAC / WAV / WMA / AAC / MP3 / ALAC / DSD / JPEG / MPO		• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)	• (DVD-R / DVD-R DL)*2
DVD+R™1 / DVD+R DL™1 / DVD+RW™1	Video / AVCHD		•	•	•	•	•	•	•	•
CD, CD-R / CD-RW	CD-DA		•	•	•	•	•	•	•	•
	Xvid / MKV / FLAC / WAV / WMA / AAC / MP3 / ALAC / JPEG / MPO		• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW)	• (CD-R / -RW)*except MPO
AUDIO SYSTEM										
Dolby Digital / Dolby TrueHD			• Decode and Bitstream Output*2	• Decode and Bitstream Output*2	• Decode (5.1ch) and Bitstream Output*3	• Decode (2ch) and Bitstream Output*3	• Decode (2ch) and Bitstream Output*3	• Decode (2ch) and Bitstream Output*3	• Decode (2ch) and Bitstream Output*3	• Decode (2ch) and Bitstream Output*3
Dolby Digital Plus			• Decode and Bitstream Output*2	• Decode and Bitstream Output*2	• Decode (5.1ch) and Bitstream Output*3	• Decode (2ch) and Bitstream Output*3	• Decode (2ch) and Bitstream Output*3	• Decode (2ch) and Bitstream Output*3	• Decode (2ch) and Bitstream Output*3	• Decode (2ch) and Bitstream Output*3
DTS-HD Master Audio Essential / DTS-HD High Resolution Audio			• Decode and Bitstream Output*2	• Decode and Bitstream Output*2	• Decode and Bitstream Output*3	• Decode and Bitstream Output*3	• Decode and Bitstream Output*3	• Decode and Bitstream Output*3	• Decode and Bitstream Output*3	• Decode and Bitstream Output*3
SD MEMORY CARD										
Slot			•	•	–	–	–	–	–	–
Compatible Media			SD / SDHC / SDXC	SD / SDHC / SDXC	–	–	–	–	–	–
Playback	JPEG / MPO		•	•	–	–	–	–	–	–
	AVCHD		•	•	–	–	–	–	–	–
	MP4		•	•	–	–	–	–	–	–
USB										
Slot			•	• (2)	• (2)	•	•	•	•	•
	Front		•	For Playback	For Playback	For Playback	For Playback	For Playback	For Playback	For Playback
	Rear		–	–	–	–	–	–	–	–
USB Standard			USB 2.0 High Speed	USB 2.0 High Speed	USB 2.0 High Speed	USB 2.0 High Speed	USB 2.0 High Speed	USB 2.0 High Speed	USB 2.0 High Speed	USB 2.0 High Speed
Playback	Xvid / MKV / MP4 / MPEG-2 / FLAC / WAV / WMA / AAC / MP3 / ALAC / DSD / JPEG / MPO		•	•	•	•	•	•	•	•*2
HIGH-QUALITY PICTURE										
4K Upscaling*4*5			•	•	•	•	•	•	–	–
4K JPEG Playback*4			•	•	•	–	–	–	–	–
Video on Demand in HD Quality			•	•	•	•	•	•	•	•
2D-3D Conversion			•	•	•	•	•	•	–	–
3D Effect Controller			•	•	•	•	•	•	•	–
Deep Colour			•	•	•	•	•	•	•	•
x.v.Colour*4			•	•	•	•	•	•	•	•
HIGH-QUALITY SOUND										
TWIN HDMI			•	•	–	–	–	–	–	–
High Quality Network Audio Playback (DLNA)			• (FLAC / WAV / WMA / AAC / MP3)	• (FLAC / WAV / WMA / AAC / MP3 / ALAC / DSD)	• (FLAC / WAV / WMA / AAC / MP3 / ALAC / DSD)	• (FLAC / WAV / WMA / AAC / MP3 / ALAC / DSD)	• (FLAC / WAV / WMA / AAC / MP3 / ALAC / DSD)	• (FLAC / WAV / WMA / AAC / MP3 / ALAC / DSD)	• (FLAC / WAV / WMA / AAC / MP3 / ALAC / DSD)	• (FLAC / WAV / WMA / AAC / MP3 / ALAC)
EASY OPERATION										
Quick Start Mode				•	•	•	•	•	•	•
HDMI-CEC				•	•	•	•	•	•	•
Stylish GUI / Wallpaper			•	•/•	•/•	•/•	•/•	•/•	•/•	•/•
SMART NETWORKING										
Miracast™*7			•	•	•	•	–	–	–	–
Internet Apps™*8			•	•	•	•	•	•	• (Simple)	• (Simple)
Web Browser				•	•	•	•	•	–	–
Wireless LAN System			• (Built-in)	• (Built-in)	• (Built-in)	• (Built-in)	–	–	–	–
DLNA (Client & Renderer)			•	•	•	•	•	•	–	–
External HDD Playback*9			•	•	•	•	•	•	•	•
Network Drive Access			•	•	•	•	•	•	–	–
BD-Live™*10			•	•	•	•	•	•	•	•
TERMINAL										
HDMI Output			• (2)	• (2)	•	•	•	•	•	•
Video Output			–	–	–	–	–	–	–	–
Digital Audio Output			•	•	•	–	–	–	–	–
Analogue Audio Output			LR / 7.1ch	–	–	–	–	–	–	–
LAN (Ethernet) Terminal			• (for DLNA, BD-Live™*10, Internet Apps™*8 and Firmware Update)	• (for DLNA, BD-Live™*10, Internet Apps™*8 and Firmware Update)	• (for DLNA, BD-Live™*10, Internet Apps™*8 and Firmware Update)	• (for DLNA, BD-Live™*10, Internet Apps™*8 and Firmware Update)	• (for DLNA, BD-Live™*10, Internet Apps™*8 and Firmware Update)	• (for DLNA, BD-Live™*10, Internet Apps™*8 and Firmware Update)	• (for DLNA, BD-Live™*10, Internet Apps™*8 and Firmware Update)	• (for DLNA, BD-Live™*10, Internet Apps™*8 and Firmware Update)
OTHERS										
Video System			PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC
Power Supply			AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz	AC 220–240V, 50Hz
Power Consumption	Normal Use		21W	18W	17W	13W	13W	13W	11W	11W
	Stand-by	Quick Start Off	0.2W	0.5W	0.5W	0.5W	0.5W	0.5W	0.5W	0.5W
		Quick Start On	6W	6W	5.5W	5.5W	5.5W	5.5W	3.5W	3.5W
DIMENSIONS, WEIGHT										
Dimensions (W × H × D)*11			446 × 68 × 245 mm	415 × 43 × 182 mm	415 × 43 × 182 mm	312 × 43 × 180 mm	312 × 43 × 180 mm	312 × 43 × 180 mm	245 × 38.5 × 175 mm	245 × 38.5 × 175 mm
Weight			2.8 kg	1.2 kg	1.2 kg	1.0 kg	1.0 kg	1.0 kg	0.8 kg	0.8 kg

*1 Discs recorded and finalised on recording devices. *2 Except DSD/MPO. *3 HDMI connection required. *4 To enjoy 4K Upscaling playback you will also need a 4K/UHD TV. *5 Only Full-HD and SD 24p content can be up-converted for 4K2K resolution. *6 This function is effective only when reproducing AVCHD data recorded with x.v.Colour technology. The function cannot be used with BD-ROM or DVD-ROM discs. HDMI connection is required. *7 Compatible with Android™ devices, Ver. 4.2 and above and Miracast™ certified. For information on whether the smartphone, etc. supports Miracast, contact the manufacturer of the device. *8 Requires broadband Internet service. *9 The external HDD with capacities of 2TB or less in processing NTFS/ FAT32 data is supported. Playback is not possible with some external hard disc drives. *10 To enjoy content, you will need to insert a USB flash drive (1 GB or more of free space/ sold separately). Requires broadband Internet service. *11 Excluding the projecting parts and the pedestal. Specifications are subject to change without notice. All numbers given here are approximate.

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BLU-RAY RECORDER

			DMR-BST940, DMR-BCT940	DMR-BST845, DMR-BCT845	DMR-BST745/740, DMR-BCT745/740	DMR-BWT745	DMR-BWT740	DMR-BWT640
			Blu-ray Recorder	Blu-ray Recorder	Blu-ray Recorder	Blu-ray Recorder	Blu-ray Recorder	Blu-ray Recorder
PLAYABLE DISCS								
BD-ROM	FULL HD 3D / BD-Video		•	•	•	•	•	•
BD-RE / BD-RE DL (Ver.2.1)	JPEG / MPO		•	•	•	•	•	•
BD-R (Ver.1.3 / LTH Type Ver.1.3) / BD-R DL (Ver.1.3)	Xvid / MKV		•	•	•	•	•	•
DVD / DVD-RAM	DVD-Video / DVD-Video Rec. / AVCHD / JPEG / MPO		•	•	•	•	•	•
DVD-R[*1] / DVD-R DL[*1] / DVD-RW[*1]	DVD-Video / DVD-Video Recording		•/• (DVD-RW)	•/• (DVD-RW)	•/• (DVD-RW)	•/• (DVD-RW)	•/• (DVD-RW)	•/• (DVD-RW)
	AVCHD / Xvid / MKV / MP3 / JPEG / MPO		•/•/•/•/•/• (DVD-R/DVD-R DL)	•/•/•/•/•/• (DVD-R/DVD-R DL)	•/•/•/•/•/• (DVD-R/DVD-R DL)	•/•/•/•/•/• (DVD-R/DVD-R DL)	•/•/•/•/•/• (DVD-R/DVD-R DL)	•/•/•/•/•/• (DVD-R/DVD-R DL)
+R[*1] / +R DL[*1] / +RW[*1]	Video / AVCHD		•	•	•	•	•	•
CD / CD-R / CD-RW	CD-DA / Xvid / MKV / MP3 / JPEG / MPO		•/•/•/•/•/• (CD-R / CD-RW)	•/•/•/•/•/• (CD-R / CD-RW)	•/•/•/•/•/• (CD-R / CD-RW)	•/•/•/•/•/• (CD-R / CD-RW)	•/•/•/•/•/• (CD-R / CD-RW)	•/•/•/•/•/• (CD-R / CD-RW)
RECORDABLE DISCS								
BD-R, BD-R DL / +R	Ver.1.3 and lower		• 6× max. speed, 6× max. speed (LTH type) / • 16× max. speed	• 6× max. speed, 6× max. speed (LTH type) / • 16× max. speed	• 6× max. speed, 6× max. speed (LTH type) / • 16× max. speed	• 6× max. speed, 6× max. speed (LTH type) / • 16× max. speed	• 6× max. speed, 6× max. speed (LTH type) / • 16× max. speed	• 6× max. speed, 6× max. speed (LTH type) / • 16× max. speed
BD-RE, BD-RE DL / DVD-R	Ver.2.1 / Ver.2.1 and lower (Except Ver.1.0)		• 2× max. speed / • 16× max. speed	• 2× max. speed / • 16× max. speed	• 2× max. speed / • 16× max. speed	• 2× max. speed / • 16× max. speed	• 2× max. speed / • 16× max. speed	• 2× max. speed / • 16× max. speed
DVD-RAM	Ver.2.2 and lower (Except Ver.1.0)		• 5× max. speed	• 5× max. speed	• 5× max. speed	• 5× max. speed	• 5× max. speed	• 5× max. speed
DVD-R DL / +R DL	Ver.3 / Ver.1.1 and lower		• 8× max. speed	• 8× max. speed	• 8× max. speed	• 8× max. speed	• 8× max. speed	• 8× max. speed
DVD-RW / +RW	Ver.1.2 a. lower (Except Ver.1.0) / Ver.1.2 a. lower		• 6× max. speed / • 4× max. speed	• 6× max. speed / • 4× max. speed	• 6× max. speed / • 4× max. speed	• 6× max. speed / • 4× max. speed	• 6× max. speed / • 4× max. speed	• 6× max. speed / • 4× max. speed
RECORDING FORMAT								
BD-RE, BD-RE DL / BD-R, BD-R DL			Blu-ray Disc Rewritable Format / Recordable Format	Blu-ray Disc Rewritable Format / Recordable Format	Blu-ray Disc Rewritable Format / Recordable Format	Blu-ray Disc Rewritable Format / Recordable Format	Blu-ray Disc Rewritable Format / Recordable Format	Blu-ray Disc Rewritable Format / Recordable Format
DVD-RAM			DVD-Video Recording Format	DVD-Video Recording Format	DVD-Video Recording Format	DVD-Video Recording Format	DVD-Video Recording Format	DVD-Video Recording Format
DVD-R, DVD-R DL / DVD-RW			DVD-Video Format[*2], AVCHD Format / DVD-Video Format[*2]	DVD-Video Format[*2], AVCHD Format / DVD-Video Format[*2]	DVD-Video Format[*2], AVCHD Format / DVD-Video Format[*2]	DVD-Video Format[*2], AVCHD Format / DVD-Video Format[*2]	DVD-Video Format[*2], AVCHD Format / DVD-Video Format[*2]	DVD-Video Format[*2], AVCHD Format / DVD-Video Format[*2]
Built-in Hard Disc Capacity			2TB	1TB	500GB	500GB	1TB	250GB
RECORDING TIME								
Hard Disc Drive	DR Mode [Approx.]		HD [14Mbps][*2]: 303h / SD [5Mbps][*2]: 847h	HD [14Mbps][*2]: 150h / SD [5Mbps][*2]: 422h	HD [14Mbps][*2]: 75h / SD [5Mbps][*2]: 211h	HD [8 Mbps][*2]: 129h / SD [4 Mbps][*2]: 258h	HD [8 Mbps][*2]: 259h / SD [4 Mbps][*2]: 518h	HD [8 Mbps][*2]: 62h / SD [4 Mbps][*2]: 124h
	HG / HX / HE / HL / HM Mode [Approx.]		315h / 471h / 707h / 946 h / 1370h	157h / 235h / 353h / 472h / 684h	78h / 117h / 176h / 235h / 341h	78h / 117h / 176h / 235h / 341h	157h / 235h / 353h / 472h / 684h	38h / 57h / 86h / 115h / 167h
	XP / SP / LP / EP Mode [Approx.]		431h / 863h / 1726h / 3452h	215h / 431h / 862h / 1724h	107h / 215h / 430h / 860h	107h / 215h / 430h / 860h	215h / 431h / 862h / 1724h	52h / 105h / 210h / 420h
25 GB BD-RE / BD-R	DR Mode [Approx.]		HD [14Mbps][*2]: 3h 30min / SD [5Mbps][*2]: 10h 15min	HD [14Mbps][*2]: 3h 30min / SD [5Mbps][*2]: 10h 15min	3HD [14Mbps][*2]: 3h 30min / SD [5Mbps][*2]: 10h 15min	HD [8 Mbps][*2]: 6h 30min / SD [4 Mbps][*2]: 13h	HD [8 Mbps][*2]: 6h 30min / SD [4 Mbps][*2]: 13h	HD [8 Mbps][*2]: 6h 30min / SD [4 Mbps][*2]: 13h
	HG / HX / HE / HL / HM Mode [Approx.]		4h / 6h / 9h / 12h / 17h 30m	4h / 6h / 9h / 12h / 17h 30m	4h / 6h / 9h / 12h / 17h 30m	4h / 6h / 9h / 12h / 17h 30m	4h / 6h / 9h / 12h / 17h 30m	4h / 6h / 9h / 12h / 17h 30m
	XP / SP / LP / EP Mode [Approx.]		5h 15m / 10h 30m / 21h / 42h	5h 15m / 10h 30m / 21h / 42h	5h 15m / 10h 30m / 21h/ 42h	5h 15m / 10h 30m / 21h / 42h	5h 15m / 10h 30m / 21h / 42h	5h 15m / 10h 30m / 21h / 42h
50 GB BD-RE DL / BD-R DL	DR Mode [Approx.]		HD [14Mbps][*2]: 7h 30min / SD [5Mbps][*2]: 21h	HD [14Mbps][*2]: 7h 30min / SD [5Mbps][*2]: 21h	HD [14Mbps][*2]: 7h 30min / SD [5Mbps][*2]: 21h	HD [8 Mbps][*2]: 13h / SD [4 Mbps][*2]: 26h	HD [8 Mbps][*2]: 13h / SD [4 Mbps][*2]: 26h	HD [8 Mbps][*2]: 13h / SD [4 Mbps][*2]: 26h
	HG / HX / HE / HL / HM Mode [Approx.]		8h / 12h / 18h / 24h / 35h	8h / 12h / 18h / 24h / 35h	8h / 12h / 18h / 24h / 35h	8h / 12h / 18h / 24h / 35h	8h / 12h / 18h / 24h / 35h	8h / 12h / 18h / 24h / 35h
	XP / SP / LP / EP Mode [Approx.]		10h 30m / 21h / 42h / 84h	10h 30 m / 21h / 42h / 84h	10h 30 m / 21h / 42h / 84h	10h 30m / 21h / 42h / 84h	10h 30m / 21h / 42h / 84h	10h 30m / 21h / 42h / 84h
4.7 GB DVD-RAM / DVD-R / -RW / +R / +RW	XP / SP / LP / EP Mode [Approx.]		1h / 2h / 4h / 8h	1h / 2h / 4h / 8h	1h / 2h / 4h / 8h	1h / 2h / 4h / 8h	1h / 2h / 4h / 8h	1h / 2h / 4h / 8h
8.5 GB DVD-R DL / +R DL Disc	XP / SP / LP / EP Mode [Approx.]		1h 45 m / 3h 35m / 7h 10m / 14h 20m	1h 45m / 3h 35m / 7h 10m / 14h 20m	1h 45m / 3h 35m / 7h 10m / 14h 20m	1h 45m / 3h 35m / 7h 10m / 14h 20m	1h 45m / 3h 35m / 7h 10m / 14h 20m	1h 45m / 3h 35m / 7h 10m / 14h 20m
9.4 GB DVD-RAM	XP / SP / LP / EP Mode [Approx.]		2h / 4h / 8h / 16h	2h / 4h / 8h / 16h	2h / 4h / 8h / 16h	2h / 4h / 8h / 16h	2h / 4h / 8h / 16h	2h / 4h / 8h / 16h
AUDIO SYSTEM								
Dolby Digital Plus / Dolby TrueHD / DTS-HD Master Audio / DTS-HD High Resolution Audio			Decode and Bitstream Output[*4]	Decode and Bitstream Output[*4]	Decode and Bitstream Output[*4]	Decode and Bitstream Output[*4]	Decode and Bitstream Output[*4]	Decode and Bitstream Output[*4]
SD MEMORY CARD								
Slot (Compatible Media: SD / SDHC / SDXC)			•	•	•	•	•	•
Playback	JPEG / MPO / AVCHD / MP4		•	•	•	•	•	•
Transfer	to HDD		AVCHD, AVCHD 3D Progressive, JPEG, MPO	AVCHD, AVCHD 3D Progressive, JPEG, MPO	AVCHD, AVCHD 3D Progressive, JPEG, MPO	AVCHD, AVCHD 3D Progressive, JPEG, MPO	AVCHD, AVCHD 3D Progressive, JPEG, MPO	AVCHD, AVCHD 3D Progressive, JPEG, MPO
	to BD-RE / BD-R		AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)
	to DVD-RAM		JPEG, MPO	JPEG, MPO	JPEG, MPO	JPEG, MPO	JPEG, MPO	JPEG, MPO
	from BD-RE / HDD / DVD-RAM / -R / CD		JPEG, MPO	JPEG, MPO	JPEG, MPO	JPEG, MPO	JPEG, MPO	JPEG, MPO
USB								
Slot (2)	Front / Rear		•/• USB 2.0 High Speed	•/• USB 2.0 High Speed	•/• USB 2.0 High Speed	•/• USB 2.0 High Speed	•/• USB 2.0 High Speed	•/• USB 2.0 High Speed
Playback	Mass Storage	MP3/Xvid/MKV/MP4/AVCHD/JPEG/MPO	•	•	•	•	•	•
	External HDD	Broadcast Stream	•	•	•	•	•	•
Transfer	Mass Storage	to HDD	AVCHD, AVCHD 3D Progressive, JPEG, MPO, MP3	AVCHD, AVCHD 3D Progressive, JPEG, MPO, MP3	AVCHD, AVCHD 3D Progressive, JPEG, MPO, MP3	AVCHD, AVCHD 3D Progressive, JPEG, MPO, MP3	AVCHD, AVCHD 3D Progressive, JPEG, MPO, MP3	AVCHD, AVCHD 3D Progressive, JPEG, MPO, MP3
		to BD-RE / BD-R	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)	AVCHD, AVCHD 3D Progressive, JPEG (BD-RE), MPO (BD-RE)
		to DVD-RAM	JPEG, MPO	JPEG, MPO	JPEG, MPO	JPEG, MPO	JPEG, MPO	JPEG, MPO
HIGH-QUALITY PICTURE								
4K Upscaling[*5] (24p / 25p) / 4K Direct Chroma Upscaling[*6] / 4K JPEG Playback[*5]			•/•/•	•/•/•	•/•/–	•/–/–	•/–/–	•/–/–
Picture Type Presets / Adaptive Chroma Processing			•/•	•/•	–/•	–/•	–/•	–/•
2D-3D Conversion, 3D Effect Controller / Full HD Upsampling., 1,080 / 24p Playback[*5]			•/•	•/•	•/•	•/•	•/•	•/•
HIGH-QUALITY SOUND								
Digital Tube Sound with Upsampling / High Clarity Sound			•	•	–	–	–	–
Pure Sound Mode / 96kHz Surround Re-Master[*7] / Audio D/A Converter (192kHz/24bit)			•	•	•	•	•	•
EASY OPERATION								
Record HD Programmes Simultaneously / CAS Recording[*8]			• (3) / •	•(2) / •	•(2) / •	• (2) / –	• (2) / –	– / –
Keyword Recording / Remote Recording[*9, *10]			•/•	•/•	–/•	–/–	–/–	–/–
Quick Operation – Direct Navigator[*11] / EPG[*11] / Disc Tray Opening[*11]			•	•	•	•	•	•
TV Guide Viewing Operation (Portrait / Landscape) / Smooth Moving GUI			•	•	•	•	•	•
VIERA Link (HDAVI Control 5) / Pause Live TV & Rewind Live TV			•/•	•/•	•/•	•/•	•/•	•/•
Auto Scene Chapter			• (MPEG-2, Dolby Digital, Dolby Digital Plus)	• (MPEG-2, Dolby Digital, Dolby Digital Plus)	• (MPEG-2, Dolby Digital, Dolby Digital Plus)	• (MPEG-2, Dolby Digital, Dolby Digital Plus)	• (MPEG-2, Dolby Digital, Dolby Digital Plus)	• (MPEG-2, Dolby Digital, Dolby Digital Plus)
60 Sec. Skip & 10 Sec. Back / LAST VIEW / Dot Matrix Display			•/• (10 Digits)	•/• (10 Digits)	•/• (10 Digits)	•/–	•/–	•/–
SMART NETWORKING								
Multi-room TV Streaming[*9, *10, *12] / Extra Storage with External HDD			•/•	•/•	•/•	•/•	•/•	–/•
Remote Viewing[*10, *12, *13, *14] / Panasonic Media Access for BD Recorder[*10, *14]			•/•	•/•	•/•	–/–	–/–	–/–
Web Browser[*17] / Wireless LAN System (Built-in)			•/•	•/•	•/•	•/•	•/•	• / Capable with Optional Adaptor[*22]
Miracast™[*18] / Internet Apps[*10]			•	•	•	•	•	•
Compatible with FULL HD 3D Camcorder / Image Sharing from LUMIX[*19]			•	•	•	•	•	•
DLNA (Client & Renderer)	Video – Audio		MKV / Xvid – AAC / FLAC / WAV / WMA / MP3	MKV / Xvid – AAC / FLAC / WAV / WMA / MP3	MKV / Xvid – AAC / FLAC / WAV / WMA / MP3	MKV / Xvid – AAC / FLAC / WAV / WMA / MP3	MKV / Xvid – AAC / FLAC / WAV / WMA / MP3	MKV / Xvid – AAC / FLAC / WAV / WMA / MP3
TERMINAL								
HDMI Output / Video Output / Coaxial Output / Optical Output / Analogue Audio Output			• (2) / – / • / • / •	•/–/–/•/•	•/–/–/•/•	•/•/•/•/•	•/•/•/•/•	•/–/•/•/•
Euro SCART Input / LAN (Ethernet) Terminal / Common Interface Slot			•/•/• (2)[*20]	•/•/• (2)[*20]	•/•/• (2)[*20]	•/•/–	• (PAL / NTSC) / • / –	–/•/–
TUNER								
Tuner System			DMR-BST940: DVB-S / S2 (DiSEqC) ×2, Single Cable ×3 DMR-BCT940: DVB-C & DVB-T ×3	DMR-BST845: DVB-S / S2 (DiSEqC) ×2, Single Cable ×2 DMR-BCT845: DVB-C & DVB-T ×2	DMR-BST745/740: DVB-S/ S2 (DiSEqC) ×2, Single Cable ×2 DMR-BCT745/740: DVB-C & DVB-T ×2	DVB-T	DVB-T / DVB-T2	DVB-T
Antenna Receive Frequency			DMR-BST940: 950MHz to 2150MHz I DMR-BCT940: –	DMR-BST845: 950MHz to 2150MHz I DMR-BCT845: –	DMR-BST745/740: 950MHz to 2150MHz I DMR-BCT745/740: –	–	–	–
Channel Coverage			DMR-BST940: – I DMR-BCT940: CATV: S1-S20 (M1-U10) 7MHz Band, D05-D073, D113-D858	DMR-BST845: – I DMR-BCT845: CATV: S1-S20 (M1-U10) 7MHz Band, D051-D073, D113-D858	DMR-BST745/740: – I DMR-BCT745/740: CATV: S1-S20 (M1-U10) 7MHz Band, D051-D073, D113-D858	VHF: 5-12, UHF: 21-69	UHF: 21-68	VHF: 5-12, UHF: 21-69
DIMENSIONS, WEIGHT								
Main Unit	Dimensions (W × H × D)[*21] / Weight		430 × 70 × 199 mm / 3.1 kg	430 × 63 × 199 mm / 2.8 kg	430 × 59 × 199 mm / 2.2 kg	430 × 59 × 238 mm / 2.9 kg	430 × 59 × 238 mm / 3.3 kg	430 × 59 × 238 mm / 2.9 kg

*1 Discs recorded and finalised on recording devices. *2 It is compatible to a DVD-Video format after finalised. *3 The bit rates are approximate. Recording time of DR mode may vary depending on bit rate of broadcasting. *4 HDMI connection required. *5 For 4K Upscaling playback a TV with same resolution is required. *6 For BD-ROM / BD-R via HDMI. *7 Sampling frequency is set to 88.2kHz at CD playback. *8 Depending on the programme, it may not be possible to play back/decrypt after recording. *9 Requires browser in PC, smartphone or tablet. *10 Requires broadband Internet service. *11 „Quick Start" needs to be set to 'ON' and 'Power Save fro Network Stand-by' needs to be set to 'OFF' to activate 'Quick Start'. *12 Remote Viewing and Multi-room TV Streaming are not possible for some pay-per-view programmes. *13 Requires browser in smartphone or tablet. *14 Access is possible for only one device at a time from outside the home. *15 Download on the App Store. Download on Google Play™. *16 It enables the use of Remote Viewing and Multi-room TV Streaming. *17 Recorder's web browser doesn't support flash & some characters' set (e.g., Chinese etc.). Some features of websites may not be available on the web browser. *18 Compatible with AndroidTM devices, Ver.4.2 and above and Miracast™ certified. For information on whether the smartphone, etc. supports Miracast, contact the manufacturer of the device. *19 The Lumix camera must support DLNA (DMR) function. *20 Compliant with CENELEC EN 50221: February, 1997. *21 Excluding the projecting parts. *22 With the purchase of Wireless LAN Adaptor DY-WL5. Usable capacity will be less. – Specifications are subject to change without notice. Weight and dimensions are approximate.

NOTES

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