In 1956 we manufactured the F-100, Hitachi’s first television.

Since then and throughout the past half century Hitachi has been bringing consumers across the world immeasurable enjoyment by providing the ultimate image technology and the best TV pictures.

Hitachi is not only a manufacturer of televisions but also an innovator in television technology. This spirit of innovation has driven us to create unique and original solutions including the ALIS Plasma panel, IPS Alpha LCD panel and image processors. Hitachi continues to invest heavily in proprietary manufacturing of these cutting edge High Definition devices with new factories opening in 2006 and beyond to supply the growing world market for flat panel televisions.

Although we are a leading global company, Hitachi is swift to respond to the needs of local markets. Australia is at the forefront of High Definition digital television and in 2007 Hitachi offers a range of HD Plasma and LCD televisions with integrated High Definition tuners designed to Australian specifications.

The future vision of Hitachi is to continue pushing the boundaries of High Definition image technology – “Inspire the Next”.

From the Past into the Future

50 Years of Hitachi TVs
Over 50 years of research and development; no wonder our visual technology is so advanced.
Full HD LCD?
or Full HD Plasma?

What’s the Difference?
Plasma and LCD may look similar but their flat screen and thin profile is where the similarities end. The main difference between the two types of screens is the technology that powers their images. To produce an image Plasma uses tiny gas cells that are powered by precise electrical charges to produce the picture. LCD screens use a backlight which passes through tiny liquid crystal dots which are turned either opaque or clear to create the image.

Picture Quality
Plasma and LCD both produce excellent picture quality and all Hitachi models are High Definition capable. When choosing between Plasma and LCD a good starting point is to consider what type of viewing you will want to do most. As Plasma emits light only when the gas cells are activated it can produce deep contrast with bright whites and pitch blacks. This contrast level is ideal for watching movies in a home cinema environment where the room lighting is low. Plasma cells are also very fast to switch on and off. This speed makes Plasma an excellent choice for viewing fast moving content such as sports because the image motion is very smooth and natural.

LCD panels are available in smaller sizes than Plasma so it’s easy to find a screen that suits your room or application. LCD generally looks at its best in brighter rooms and when viewing bright content such as nature programs, news and documentaries. LCD is also an excellent choice for playing computer games, connecting to a PC or viewing still photos.

Power Consumption
Plasma displays only emit light where necessary, resulting in Plasmas being more economical for television viewing. In contrast, while many of the LCDs quote lower peak power ratings than similar sized Plasma displays, they constantly keep a bright backlight on regardless of the image being displayed.

In reality the difference in power consumption between these two types of displays is nominal.

Try it for Yourself
We suggest viewing the range of Hitachi LCD and Plasma televisions for yourself to see which picture quality you prefer.
Packing over two million pixels on the screen, Full HD is the ultimate High Definition experience. With twice the resolution of conventional HD video, Full HD makes the most of large screen Plasma and LCD TVs delivering smooth life like images right down to the minutest detail. Full HD movies and video games are available on Blu Ray disc and the list of titles is growing all the time.

**What is Full HD?**

High Definition (HD)

Full High Definition
The Picture Master Advantage

The Hitachi Picture Master processor incorporates a range of advanced proprietary technologies to enhance picture quality and faithfully reproduce all the details of the original image. Every Hitachi plasma and LCD television model contains a Picture Master processor that has been specifically designed to meet the specifications of the panel, so the best possible image results on all types of content.

Core Picture Master Technologies

1080p Image Engine

The Picture Master image processor analyses every incoming video source signal and if required scales it up to a high resolution 1080p image. Once converted to this high resolution image finely detailed processing is possible so outstanding sharpness, contrast and colour can be delivered on screen. 1080p processing also ensures the image is ideally matched to the native panel resolution.

Dynamic Histogram Processing

Dynamic Histogram Processing and Dynamic Contrast enhancements are two technologies pioneered by Hitachi to boost overall contrast performance. Using these techniques Picture Master precisely tailors the image to the specific panel characteristics. The result is a picture with the best possible contrast and detail on both bright and dark scenes.

Adaptive Contrast and Colour

Day time scenes require boost on bright scenes

Night time scenes require boost on dark colours
Hitachi Features

One Touch Remote

All Hitachi TVs feature one touch input switching from the remote control. At the press of a single button the internal tuner and each of the many inputs can be accessed without any confusing menus or scrolling. This feature is very useful when using multi function learning remotes or home automation systems.

Motorised Swivel

A true turning point for Plasma and LCD screens. On the P50X01 it is now possible for you to change direction for the panel 30 degrees in either direction of centre with the touch of a button. Perfect for board meeting situations, or for private viewings of your favourite movie, you can swivel the screen from the comfort of your chair.
1080p Input Capability

All Hitachi HD and Full HD televisions can accept a 1080p input signal, including the latest 1080p 24Hz signal used on Blu Ray discs. On models which feature a Full HD 1920 x 1080 progressive panel, 1080p signals are played back on screen using the progressive scan method at resolutions of up to 1920 x 1080, depending on the resolution of the input signal.

HD Tick

Developed in 2007 by the Australian Digital Suppliers Industry Forum (ADSIF), the HD Tick certification logo identifies televisions which have a built-in High Definition digital tuner and provides consumers with assurance that their TV purchases meet all the ADSIF standards for a true High Definition television experience. Amongst the mandatory requirements for HD Tick certification, a television must feature HDMI digital video inputs, a Digital Audio Tuner output for connecting to a surround sound HiFi system, and a minimum of 720 lines of picture resolution.

PC Input

All Hitachi televisions feature an RGB analogue connection for a personal computer. Using this connection it is possible to view content from the internet, photos from your PC hard drive, or playback edited video from your camcorder.*

HDMI

High Definition Multimedia Interface, or HDMI, combines a simple single cable solution with the best possible digital picture and multi channel audio quality. To get the most out of your Blu Ray or other Full HD device, an HDMI connection should be used as a first choice. The latest (HDMI) connections are included on all Hitachi TVs.

*Capability of this input is dependent on the connected PC and the specifications of the panel.
The images on films you see at the movies are photographed on a very fine-grain film that creates a smooth, seamless picture. A high-definition television uses millions of tiny picture elements (pixels) to create that image. More pixels means more detail.

Clear Window plasma technology enables a significantly higher pixel density than conventional designs. Instead of thick walls between vertical pixels, it employs continuous channels of phosphor material. Vertical pixel boundaries are smaller and defined electronically with greater precision. This increased accuracy creates smaller boundaries, placing pixels closer together for a higher-density display structure.

This innovative Hitachi pixel structure results in a smooth, film-like quality not found on competing models. Designed for optimal display of 1080i HDTV signals, Clear Window technology accurately recreates the smooth cinematic texture of fine-grain film in your own home. Power consumption is also reduced when compared to conventional plasma designs as a result of the shared electrode structure of Clear Window plasma TVs.

Hitachi’s Clear Window plasma technology combined with a full 1080 picture lines, delivers a bright and exceptionally detailed High Definition image that is a perfect line for line match with the dominant 1080i HDTV broadcast standard.
Movies provide us with the illusion of motion by showing us a series of still images over time. In fact, all Hollywood blockbusters flash 24 individual images each second.

Hollywood’s 24 frames per second does not match our television system which shows 50 or 60 frames each second. A technique called 3:2 pulldown is used to change the 24 film frames to fit the television’s faster 60 frame rate.

There is a jerky motion side effect of 3:2 pulldown that is known as “judder”. It looks as if the image is stuttering and is especially noticeable when displaying side to side movements.

Hitachi’s exclusive FRC technology accurately and automatically eliminates the jerky motion. The result is extremely smooth motion, whether it’s a passing vehicle or a camera pan from side-to-side.

By creating ‘interpolated’ frames based on the original film images, FRC processing smooths out the movement of movies and correctly matches the original motion.
Combining the astounding detail of Full HD with the speed, colour and contrast that only plasma can deliver. The P50X01 is the ideal choice for the serious home cinema or sports enthusiast. Thanks to the 1920 x 1080i pixel panel the P50X01 is a perfect match for Full HD sports broadcasts, while the inclusion of Hitachi’s Frame Rate Conversion system delivers a smooth motion cinematic experience when watching Blu-ray and DVD movies.

- 127cm Full HD Plasma TV
- 1920 x 1080i Full HD Panel (Interlaced)
- Integrated HD Tuner
- 10,000:1 Contrast Ratio
- Frame Rate Conversion (FRC)
- 3 x HDMI Inputs
- 2 x Component Inputs
- 1080p Input Capable (50/60/24Hz)
- PC Input
- Optical Digital Output for DTT
- Power Swivel Base
- One Touch Remote Control

![Connection Table - Rear Panel](image)

![Connection Table - Front Panel](image)
For a serious home cinema you need a serious screen. This used to mean bulky rear projection televisions that produced pale pictures which could only be viewed in total darkness, or expensive and noisy projectors attached to the lounge room ceiling. Not any more. Thanks to Hitachi’s advanced Plasma technology it is now possible to offer screen sizes in a flat panel that previously were only available in projection based systems. Introducing the P60X01 153cm Full HD Plasma TV. Featuring a 1920 x 1080 progressive plasma panel, this massive display delivers all the Full HD picture quality, high contrast and fast motion that are the hallmarks of Plasma technology. Because the P60X01 is a Plasma TV, it performs brilliantly when watching sports action, or thanks to the inclusion of Frame Rate Conversion it is also an outstanding high contrast, smooth motion home cinema screen.

- 153cm Full HD Plasma TV
- 1920 x 1080p Full HD Panel (progressive)
- Integrated HD Tuner
- Frame Rate Conversion (FRC)
- 8,000:1 Contrast Ratio
- 3 x HDMI Inputs
- 2 x Component Inputs
- 1080p 24 Playback
- PC Input
- Optical Digital Output for DTT
- Detachable Side Speakers
- One Touch Remote Control
- Optional Speaker Stands Available

**CONNECTION TABLE – REAR PANEL**

**CONNECTION TABLE – FRONT PANEL**
Well suited to bright environments and multimedia, Hitachi’s L42X01 delivers all the detail and colour of today’s Full HD game consoles, Blu-ray players or Full HD 1080i broadcasts. Thanks to its 1920 x 1080p Full HD progressive panel, the latest 1080p 24Hz Blu-ray movies will be reproduced in their original resolution and frame rate without compression or re-scaling.

- 106cm Full HD LCD TV
- 1920 x 1080p Full HD Panel (progressive)
- Integrated HD Tuner
- 10,000:1 Dynamic Contrast Ratio
- 5ms Panel Response Time
- 3 x HDMI Inputs
- 2 x Component Inputs
- 1080p 24 Playback
- PC Input
- Optical Digital Output for DTT
- Swivel Base
- One Touch Remote Control
L37X01 Full HD LCD TV

The L37X01 delivers all the features of the larger L42X01 but in a slightly smaller size. Typically an LCD panel of this size makes an ideal replacement for many older 29 and 32 inch CRT televisions as it will fit neatly into wall units or on TV stands that were designed for these older bulky televisions. The 37LX01 is also well suited to smaller rooms where the viewing distance is only between one and two metres.

- 94cm Full HD LCD TV
- 1920 x 1080p Full HD Panel (progressive)
- Integrated HD Tuner
- 10,000:1 Dynamic Contrast Ratio
- 6ms Panel Response Time
- 3 x HDMI Inputs
- 2 x Component Inputs
- 1080p 24 Playback
- PC Input
- Optical Digital Output for DTT
- Swivel Base
- One Touch Remote Control

Connection Table – Rear Panel

Connection Table – Side Panel
The Latest Generation of 1080i Line High Definition Panels
Many Australian High Definition TV broadcasts are delivered in a format called 1080i. This type of broadcast delivers 1080 interlaced horizontal picture lines which is the maximum available on High Definition TV. To more accurately reflect the vertical resolution of 1080i, Hitachi ALIS plasma screens feature 1080 interlaced horizontal picture lines, so no vertical compression is required. By limiting picture compression to the horizontal domain the amount of image processing is reduced resulting in a more accurate picture.

Up to 40% More Pixels*
Hitachi’s advanced ALIS Clear Window screen technology makes it possible to tightly pack pixels together on the screen.

As a result Hitachi plasma screens feature up to 40% more pixels than leading competitor High Definition plasma models*. This superior pixel density, combined with 1080 lines of vertical resolution, results in a more finely detailed picture which is closer to the original High Definition broadcast.

Fast Response for Motion Pictures
Using the same fluorescent phosphors as conventional Cathode Ray Tube (CRT) televisions to emit light, Hitachi Plasma TVs are ideally suited for displaying moving images. The fast response for motion pictures results in smooth, natural moving images.

Advanced ALIS Panel – up to 1,400cd/m²
The ALIS (Alternative Lighting of Surfaces) panels featured on Hitachi HD Plasma TVs will dazzle you with their ability to reproduce High Definition signals with outstanding brightness and clarity. Thanks to the combination of fine pitch Clear Window technology with the high speed illumination of alternating lines every 1/50th of a second, ALIS plasma panels can achieve a brightness level of up to 1400 cd/m².†

*based on a comparison of Hitachi and competitors published pixel counts for high definition 42” plasma screens.
†P42H01.
The Hitachi P50H01 High Definition ALIS plasma is the clear choice for High Definition home cinema and sports viewing. By combining the speed, colour and contrast that only plasma can deliver with our unique 1080 line ALIS technology, Hitachi has created an HD plasma with outstanding detail and brightness. The Hitachi P50H01 is also very versatile as offering a wide range of inputs including two HDMI terminals that can accept 1080p 24Hz signals from a Blu-ray player.

- 127cm HD ALIS Plasma panel
- 1280 x 1080 Pixels
- Integrated HD Tuner
- 10,000:1 Contrast Ratio
- 2 x HDMI Inputs
- 2 x Component Inputs
- 1080p Input Capable (50/60/24Hz)
- PC Input
- Optical Digital Output for DTT
- Swivel Base
- One Touch Remote Control
The Hitachi P42H01 High Definition ALIS plasma offers all the same features and connectivity as the larger P50H01 but in a smaller screen size. The ALIS Clear Window technology delivers over one million pixels on this 106cm plasma panel, which is up to 40% more than leading competitor models of the same size. Thanks to the high luminance of ALIS technology, this panel also achieves a brightness level of up to 1400cd/m².

- 106cm HD Plasma
- 1024 x 1080 Pixels
- Integrated HD Tuner
- 10,000:1 Contrast Ratio
- 2 x HDMI Inputs
- 2 x Component Inputs
- 1080p Input Capable (50/60/24Hz)
- PC Input
- Optical Digital Output for DTT
- Swivel Base
- One Touch Remote Control
L32H01 & L26H01 HD LCD TVs

Well suited to bright environments and multi media use, Hitachi’s High Definition LCD televisions feature our patented IPS Alpha LCD panels. This unique panel technology results in a picture of exceptional clarity and contrast, and a wide viewing angle of up to 178 degrees both horizontally and vertically. Add to this exceptional picture performance a wide range of inputs including HDMI and PC input, and you have a versatile High Definition TV for any application or environment.

- 80cm / 66cm Progressive HD LCD Panel
- 1366 x 768 Pixels
- 6ms Panel Response Time
- Integrated HD Tuner
- 10,000:1 Dynamic Contrast Ratio
- HDMI Input
- 2 x Component Inputs
- 1080p Input Capable (50/60/24Hz)
- PC Input
- Optical Digital Output for DTT
- Swivel base (L32H01 only)
- One Touch Remote Control
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<thead>
<tr>
<th>Model</th>
<th>P60X01AU</th>
<th>P50X01AU</th>
<th>P50H01AU</th>
<th>P42H01AU</th>
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<td>PAL, SECAM, NTSC3.58, NTSC4.43, PAL60, N-PAL, M-PAL</td>
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<td>VGA-SXGA (H:30 to 64kHz, V:60Hz to 70Hz)</td>
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<td>HDMI Signal (video mode)</td>
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<td>Analogue Audio for HDMI / RGB (RCA)</td>
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## Plasma

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<td><strong>OTHER CONNECTIONS</strong></td>
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<td>RGB : Mini D-sub 15P</td>
<td>RGB : Mini D-sub 15P</td>
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<td>On / Off Timer</td>
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<td>One Touch Input Switching</td>
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<td><strong>GENERAL</strong></td>
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*Terminal layouts are for illustration purposes only and are not to scale. Refer to the user manual or your Hitachi dealer for exact layout.*
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<td>1920 x 1080 (2,073,600)</td>
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<td>10,000:1 Dynamic</td>
<td>10,000:1 Dynamic</td>
<td>10,000:1 Dynamic</td>
<td>10,000:1 Dynamic</td>
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<tr>
<td>Panel Response Time</td>
<td>5ms</td>
<td>6ms</td>
<td>6ms</td>
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<tr>
<td>TUNER</td>
<td>DVB High Definition Tuner Integrated</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Analogue Tuner Integrated</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Video Signal</td>
<td>PAL, SECAM, NTSC3.58, NTSC4.43, PAL60, N-PAL, M-PAL</td>
<td>PAL, SECAM, NTSC3.58, NTSC4.43, PAL60, N-PAL, M-PAL</td>
<td>PAL, SECAM, NTSC3.58, NTSC4.43, PAL60, N-PAL, M-PAL</td>
<td>PAL, SECAM, NTSC3.58, NTSC4.43, PAL60, N-PAL, M-PAL</td>
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<tr>
<td>Component Signal</td>
<td>480i/p, 576i/p, 720p(50/60), 1080i(50/60), 1080p(50/60/24)</td>
<td>480i/p, 576i/p, 720p(50/60), 1080i(50/60), 1080p(50/60/24)</td>
<td>480i/p, 576i/p, 720p(50/60), 1080i(50/60), 1080p(50/60/24)</td>
<td>480i/p, 576i/p, 720p(50/60), 1080i(50/60), 1080p(50/60/24)</td>
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<tr>
<td>HDMI Signal (video mode)</td>
<td>480i/p, 576i/p, 720p(50/60), 1080i(50/60), 1080p(50/60/24), VGA</td>
<td>480i/p, 576i/p, 720p(50/60), 1080i(50/60), 1080p(50/60/24), VGA</td>
<td>480i/p, 576i/p, 720p(50/60), 1080i(50/60), 1080p(50/60/24), VGA</td>
<td>480i/p, 576i/p, 720p(50/60), 1080i(50/60), 1080p(50/60/24), VGA</td>
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<tr>
<td>Analogue RGB Signal</td>
<td>VGA - WXGA (1360 x 768 @ 60Hz)</td>
<td>VGA - WXGA (1360 x 768 @ 60Hz)</td>
<td>VGA - WXGA (1360 x 768 @ 60Hz)</td>
<td>VGA - WXGA (1360 x 768 @ 60Hz)</td>
</tr>
<tr>
<td>INPUTS &amp; OUTPUTS</td>
<td>Total Number of Connectable Sources</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Composite Video with Analogue Audio (RCA)</td>
<td>2 (1 rear 1 side)</td>
<td>2 (1 rear 1 side)</td>
<td>2 (1 rear 1 side)</td>
<td>2 (1 rear 1 side)</td>
</tr>
<tr>
<td>Component Video with Analogue Audio (RCA)</td>
<td>2 (1 rear 1 side)</td>
<td>2 (1 rear 1 side)</td>
<td>2 (1 rear 1 side)</td>
<td>2 (1 rear 1 side)</td>
</tr>
<tr>
<td>Analogue Audio for RGB</td>
<td>1 (3.5mm mini jack)</td>
<td>1 (3.5mm mini jack)</td>
<td>1 (3.5mm mini jack)</td>
<td>1 (3.5mm mini jack)</td>
</tr>
<tr>
<td>MODEL</td>
<td>L42X01AU</td>
<td>L37X01AU</td>
<td>L32H01AU</td>
<td>L26H01AU</td>
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<tr>
<td>-------</td>
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<td>----------</td>
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<tr>
<td><strong>OTHER CONNECTIONS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RGB Input (PC)</td>
<td>RGB : Mini D-sub 15P</td>
<td>RGB : Mini D-sub 15P</td>
<td>RGB : Mini D-sub 15P</td>
<td>RGB : Mini D-sub 15P</td>
</tr>
<tr>
<td>Headphone Socket (3.5mm)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>A/V Output</td>
<td>1x Composite Video with Analogue audio (RCA)</td>
<td>1x Composite Video with Analogue audio (RCA)</td>
<td>1x Composite Video with Analogue audio (RCA)</td>
<td>1x Composite Video with Analogue audio (RCA)</td>
</tr>
<tr>
<td>Digital Audio Out</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td><strong>SOUND</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Surround Sound</td>
<td>Matrix Surround</td>
<td>Matrix Surround</td>
<td>Matrix Surround</td>
<td>Matrix Surround</td>
</tr>
<tr>
<td>Automatic Volume Level</td>
<td>Yes (Perfect Volume)</td>
<td>Yes (Perfect Volume)</td>
<td>Yes (Perfect Volume)</td>
<td>Yes (Perfect Volume)</td>
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<tr>
<td>Sound Modes</td>
<td>4 Mode</td>
<td>4 Mode</td>
<td>4 Mode</td>
<td>4 Mode</td>
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<tr>
<td><strong>PICTURE ASPECT MODES</strong></td>
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<td></td>
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<tr>
<td>TV/Video (input signal dependent)</td>
<td>4:3, Panoramic, Cinema, Full</td>
<td>4:3, Panoramic, Cinema, Full</td>
<td>4:3, Panoramic, Cinema, Full</td>
<td>4:3, Panoramic, Cinema, Full</td>
</tr>
<tr>
<td>PC</td>
<td>4:3, Full</td>
<td>4:3, Full</td>
<td>4:3, Full</td>
<td>4:3, Full</td>
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<tr>
<td><strong>OTHER FUNCTIONS</strong></td>
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<td></td>
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<tr>
<td>Timer</td>
<td>On / Off</td>
<td>On / Off</td>
<td>On / Off</td>
<td>On / Off</td>
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<tr>
<td>Multi Picture Function</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Analogue Teletext</td>
<td>1000 Page</td>
<td>1000 Page</td>
<td>1000 Page</td>
<td>1000 Page</td>
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<tr>
<td><strong>REMOTE CONTROL FUNCTIONS</strong></td>
<td></td>
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<tr>
<td>One Touch Input Switching</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>GENERAL</strong></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Dimensions excluding Stand (WxHxD)mm</td>
<td>1033 x 692 x 126</td>
<td>910 x 627 x 125</td>
<td>790 x 550 x 122</td>
<td>663 x 470 x 124</td>
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<tr>
<td>Dimensions including Stand (WxHxD)mm</td>
<td>1033 x 749 x 365</td>
<td>910 x 680 x 365</td>
<td>790 x 602 x 365</td>
<td>663 x 509 x 262</td>
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<tr>
<td>Weight excluding Stand (kg)</td>
<td>24.2</td>
<td>20.1</td>
<td>16</td>
<td>12.4</td>
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<tr>
<td>Weight including Stand (kg)</td>
<td>28.5</td>
<td>24.4</td>
<td>20.1</td>
<td>13</td>
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<tr>
<td>Power Supply</td>
<td>AC110V-240V (50/60Hz)</td>
<td>AC110V-240V (50/60Hz)</td>
<td>AC110V-240V (50/60Hz)</td>
<td>AC110V-240V (50/60Hz)</td>
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<tr>
<td>Power Consumption</td>
<td>210W</td>
<td>177W</td>
<td>144W</td>
<td>106W</td>
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<tr>
<td>Power Consumption Standby Mode</td>
<td>&lt;2W</td>
<td>&lt;2W</td>
<td>&lt;2W</td>
<td>&lt;2W</td>
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† Terminal layouts are for illustration purposes only and are not to scale. Refer to the user manual or your Hitachi dealer for exact layout.