Panasonic brings a total solution to 3D imaging

Panasonic is capable of providing an end-to-end solution for 3D—from producing images to authoring 3D Blu-ray Disc™ contents for professional use in presentations and a variety of business situations.

**Panasonic 3D Innovation Center**

The Panasonic 3D Innovation Center was established to accelerate the development and expansion of 3D businesses. By taking full advantage of its collective strength of the Panasonic Group, the Center has been contributing to the development of 3D-related technologies and services. We are now providing total solutions to meet the needs of businesses and industries that take advantage of the power of 3D technology.

**Panasonic 3D Hollywood Laboratory (PHL)**

Panasonic is capable of providing an end-to-end solution for 3D—from producing images to authoring 3D Blu-ray Disc™ contents for professional use in presentations and a variety of business situations.
Achieving the Ultimate Reality
with Large-Screen FULL HD 3D Images.
Opening New Business Possibilities.

Images take on new dimensions of depth and texture.
Step into the 3D World.
The technology in which the left-eye and right-eye 3D images are sent to the viewer is key to 3D image quality. For this, FULL HD 3D uses something called the Frame Sequential technology. The left and right images are alternately displayed at high speed (60 frames per second for each eye, x 2 = 120 frames per second for the screen) with special glasses. When viewed with special glasses that open and close shutters in sync with the displayed frames, the brain creates the sensation of depth from the visual disparity to form 3D images.

The frame rate varies depending on the 3D image signal being reproduced. For example, 3D images are reproduced at 120 fps (frames per second) for a 60 Hz input signal, and 100 fps for a 50 Hz input signal.

Newly developed Fast-Decay Phosphors are used for the red and green phosphors. High-speed, alternating, FULL HD signals for each eye allow the Frame Sequential technology to reduce the afterimage time to 1/3 that of conventional phosphors while expanding the scope of color reproduction. As a result, brighter, sharper images are produced for 3D content.

FULL HD 3D images require a display speed of 120 frames per second, which is twice the ordinary speed. A panel with slow response simply cannot keep up with the necessary image processing. As a result, a double image will appear when the images for the left and right eyes overlap on the screen (also called crosstalk). In addition to new short-decay-time phosphors that reduce the afterglow time to 1/3, a high-precision Motion Vector Prediction function helps to achieve highly precise illumination. Ultra-high speed drive technology, which achieves the seamless frames to 1/1000 to previous models, also enables double images even on large screens to produce clear and detailed 3D images.

High-speed illumination achieved with high-precision Motion Vector Prediction. Panasonic’s 3D Eyewear features the world’s first* high-precision Motion Vector Prediction function, which improves phosphor illumination uniformity. The VX200 Series features the world’s first* high-precision Motion Vector Prediction function. Its precise luminous control predicts front/back movement as well as left/right and diagonal movement to increase the drive speed and produce clear 3D images even on a large screen.

High-precision 3D Eyewear control technology

Highly precise timing controls for the opening and closing of the shutter eliminates unwanted light leakage to enable clear 3D viewing. The remarkable beauty of the full-HD 3D images is further enhanced by displaying both a 3D plasma display and 3D Eyewear to achieve precisely timed operation.

Highly-specified braking system for the opening and closing of the shutter to prevent unwanted light leakage.

In addition to the Frame Sequential method, Panasonic professional FULL HD 3D plasma displays are compatible with both the Side-by-Side and Top-and-Bottom methods.

High-precision, FULL HD 3D realism brings some exciting new possibilities to business.
The technology in which the left-eye and right-eye 3D images are sent to the viewer is the key to 3D image quality. For this, FULL HD 3D uses something called the Frame Sequential technology. The left and right images are alternately displayed at high speed (60 frames per second for each eye x 2 = 120 frames per second). When viewed with special glasses that open and close shutters in sync with the displayed frames, the brain creates the sensation of depth from the visual disparity to form 3D images.

This reduces the afterimage time to 1/3 that of conventional phosphors while simultaneously expanding the scope of colour reproduction. As a result, brighter, sharper images are produced for 3D content.

HIGH-SPEED, ALTERNATING FULL HD SIGNALS FOR EACH EYE

This technology allows for high-speed, alternating, FULL HD signals for each eye — Frame Sequential technology.

• Someone in authority should responsibly convey the precautions for use of the 3D Eyewear to the user.
• Be sure to read the safety precautions and usage precautions in the User's Manual to ensure correct, comfortable viewing.
• In the event that you experience dizziness, nausea, or other discomfort while viewing 3D images discontinue use and rest your eyes.
• Parents/guardians should monitor children's viewing habits to avoid their prolonged use without rest periods.
• Use only the 3D Eyewear recommended Panasonic 3D displays.

Compatible with Various 3D Imaging Methods

In addition to the Frame Sequential method, Panasonic’s 3D displays are compatible with both the Side-by-Side and Top-and-Bottom methods.

High-speed illumination achieved with high-precision Motion Vector Prediction.

The VX200 Series features the world’s first high-precision Motion Vector Prediction function. Its precise luminous control predicts forward/backward movement as well as left/right and diagonal movement to increase the drive speed and produce clear 3D images even on large screens. As a result, bright, clear images are produced faster.

High-precision 3D Eyewear control technology

High-precision timing controls for the opening and closing of the shuttered lenses ensures optimal light leakage to enable clear 3D viewing. The remarkable beauty of the FULL HD 3D images is further enhanced by matching Panasonic components — both a 3D plasma display and 3D Eyewear — to achieve precisely timed operation.

Large-screen, FULL HD 3D realism brings some exciting new possibilities to business.
Achieving Large-Screen Displays with Naturally Colourful High-Resolution Images

Newly developed Professional-quality engine doubles colour reproduction capability

The new professional-quality engine raises the colour processing of each pixel from the conventional* 20-bit level to 30-bit processing. By faithfully reproducing all of the colour and luminance signals output by image sources, it produces smooth, vibrant colours across the entire screen.

* PF12 Series.

A Wide colour gamut faithfully reproduces the colours and textures required by professionals

Professional displays require a level of colour reproduction that portrays various materials in their natural colours for product designs and image applications. With the wide colour gamut of this panel, the natural colours and textures of materials can be faithfully reproduced, meeting versatile market needs.

The colour gamut used in current digital cinemas, which is also based on demand specifications compiled by major Hollywood movie companies for Digital Cinema standards.

The Colour Gamut screen is simulated. It may vary from actual specifications.

YUV (4:4:4) signal is input.

RGB conversion ( privé = 2.6)

White balance

YUV (4:4:4) signal is input.

RGB conversion ( privé = 2.2)

The colour balance is easily lost because white balance is adjusted after RGB conversion.

White balance is adjusted simultaneously with RGB conversion, so the colour balance is uniform.

* PF12 Series.

Colours are decompressed to widen the colour gamut, by using a process similar to the opposite of that used by Hollywood colourists when they apply detailed compression to original colours. This wide colour gamut approaches that of Digital Cinema*, to enable colouring that was previously not possible.

<table>
<thead>
<tr>
<th>DIGITAL CINEMA COLOUR</th>
</tr>
</thead>
<tbody>
<tr>
<td>This lets you set the hue for each RGB colour from the HDTV colour gamut of the initial settings. You can adjust the colours while viewing a simplified chroma diagram.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CUSTOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour gamut conversion for the new engine</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NATIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour gamut conversion for the new engine</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HDTV COLOUR (ITU-R BT.709)</th>
</tr>
</thead>
<tbody>
<tr>
<td>This sets the display to the HDTV standard colour panel.</td>
</tr>
</tbody>
</table>

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* The colour gamut used in current digital cinemas, which is also based on demand specifications compiled by major Hollywood movie companies for Digital Cinema standards.

New engine (30-bit processor)

- The colour balance is easily lost because white balance is adjusted after RGB conversion.
- White balance is adjusted simultaneously with RGB conversion, so the colour balance is uniform.

<table>
<thead>
<tr>
<th>DIGITAL CINEMA COLOUR</th>
<th>HDTV COLOUR (ITU-R BT.709)</th>
<th>CUSTOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>This lets you set the hue for each RGB colour from the HDTV colour gamut. You can adjust the hue, saturation, and luminance of the signal.</td>
<td>This lets you set the hue for each RGB colour from the HDTV standard colour panel.</td>
<td>A chromatic diagram is displayed, allowing you to set the hue, saturation, and luminance of the signal.</td>
</tr>
</tbody>
</table>

A Wide colour gamut faithfully reproduces the colours and textures required by professionals

Colours are decompressed to widen the colour gamut, by using a technique that is opposite of that used by Hollywood colourists when they apply detailed compression to original colours. This wide colour gamut approaches that of Digital Cinema*, to enable colouring that was previously not possible.

* PF12 Series.

Achieving Large-Screen Displays with Naturally Colourful High-Resolution Images

The new professional-quality engine raises the colour processing of each pixel from the conventional* 20-bit level to 30-bit processing. By faithfully reproducing all of the colour and luminance signals output by image sources, it produces smooth, vibrant colours across the entire screen.

* PF12 Series.
A Wide Range of Applications Benefit from Large-Screen FULL HD 3D Images

Ultra large-screen Panasonic plasma displays faithfully express colours with their meticulous image quality. The stereoscopic effect with 3D characteristics gives a realistic perception. These displays are extremely effective for professional applications that support business activities.

**CAD/CAM design previews**
- Use for CAD/CAM and architectural designing and for reviewing completed designs.
- Reproduce large-scale objects with life-size images on large 3D screens.
- Faithful color and texture reproduction increases accuracy in design review.

**Educational use**
- Use life-size 3D to display images such as the human anatomy, which cannot be properly visualized from a 2D image.
- Visually experience organs that are difficult to perceive in real life.
- The large screen allows everyone to share information in group study sessions.

**Driving schools**
- Can be used as a training device for piloting airplanes or driving cars.
- Experience a realistic simulation experience.
- Various types of training can be conducted by switching image content.

**Showrooms**
- Can be used to display the full color variations of products in a space that is too small to display the actual products in all colors.
- Enables a realistic simulation experience.
- Various types of training can be conducted by switching image content.

**Application Examples for Ultra-large Screen 3D Displays**

- Virtually experience surgeries that are difficult to perform in real life.
- The large screen allows everyone to share information in group study sessions.
- Realistic 3D images enable customers to feel as if they are looking at actual products.
- The large screen allows customers to check small details that are otherwise easy to miss.
A Wide Range of Applications Benefit from Large-Screen FULL HD 3D Images

Ultra-large-screen Panasonic plasma displays faithfully express colours with their meticulous image quality. The stereoscopic effect with 3D characteristics gives a realistic perception. These displays are extremely effective for professional applications that support business activities.

- **Showrooms**
  - Can be used to display full colour variations of products in a space that is too small to display the actual products in all colours.
  - Enables customers to virtually experience products in all their beauty and detail.
  - The large screen allows customers to check small details that are otherwise easy to miss.

- **Educational use**
  - Use life-like 3D to display images such as the human anatomy, which cannot be properly visualised from a 2D image. In addition, the use of 3D images significantly improves the understanding of materials and concepts.
  - Reproduce life-size objects with life-size images on large 3D screens. Faithful colour and texture reproduction increases accuracy in design review.
  - The large screen allows everyone to share information in group study sessions.

- **Driving schools**
  - Can be used as a training device for piloting airplanes or driving cars. Enables a realistic simulation experience.
  - Various types of training can be conducted simply by switching the image content.

- **CAD/CAM design previews**
  - An ideal tool for CAD/CAM and architectural designing and for reviewing completed designs.
  - Reproduce large-scale objects with life-size images on large 3D screens.
  - Faithful colour and texture reproduction increases accuracy in design review.
  - The large screen allows everyone to share information in group study sessions.

- **Application Examples for Ultra-large-Screen 3D Displays**

A Wide Range of Applications Benefit from Large-Screen FULL HD 3D Images

Ultra-large-screen Panasonic plasma displays faithfully express colours with their meticulous image quality. The stereoscopic effect with 3D characteristics gives a realistic perception. These displays are extremely effective for professional applications that support business activities.
Museum highlights

• Enables virtual display of invaluable artwork.
• Allows visitors to view details of artwork which they cannot see clearly through a showcase.
• Can be used to display ancient artifacts that cannot be touched.

New museum services

• Display finely detailed items that are invisible to the naked eye.
• Easily provide virtual experiences using photorealistic images or computer graphics.
• Networking with other facilities offers a wider range of image-based exhibits.

Amusement facilities

• Can be used to display content dynamically on the large screen.
• Attracts customers during events by serving as a highlight of the facility.
• Provide new services, such as encounters with life-size characters.

Application Examples for Ultra-large Screen 3D Displays
Museum highlights

- Enables virtual display of invaluable artwork.
- Allows visitors to see details of artwork which they cannot see clearly through a showcase.
- Can be used to display artworks that cannot be lent out.

New museum services

- Display finely detailed items that are invisible to the naked eye.
- Display virtual experiences using photographic images or computer graphics.
- Networking with other facilities offers a wider range of image-based exhibits.

Amusement facilities

- Can be used to display content dynamically on the large screen.
- Attracts customers during events by serving as a highlight of the facility.
- Provide new services, such as encounters with life-size characters.
**Native contrast of 5,000,000:1** gives you high-quality images with rich textures.

**Moving-picture resolution of 1,080 lines.** Clear motion images in sports and action movies.

**3D 24p Smooth Film** enhances 3D image depth.

In order to achieve moving images that are displayed at 24 frames per second, the left and right images are each measured. For both left- and right-eye images, the left frame is displayed first, followed by the right frame. The left-eye frame is then displayed second, followed by the right eye frame. By shortening the display time for each frame, these displays achieve a high 1,080 lines of moving picture resolution.

**3D 24p Smooth Film** function is used to project movements and create new frames between the original frames. This naturally reproduces smoother 3D images, and by creating new frames between the original frames for both left- and right-eye images, it produces exceptional 3D image quality. Even the tiniest stars in a night sky are strikingly visible. Moving-picture resolution is measured at a 60% window.

**Easy save preferred settings with Picture Profile**

The Picture Profile lets you save preferred settings that you have made for various sources and image parameters. You can retrieve the settings at any time, to enjoy images just the way you want them. You can also apply these settings for setting up your TV using your projector. When using the Pilot Link function, you can display the screen, and other applications.

**Process images with External Scaler Mode**

With the advanced feature, you can process images easily the way you want them. If you connect your TV with an external scaler instead of using the display's built-in scaler, you can process images by locking the memory, and sending the film.

*As a FULL HD 3D-compatible flat panel display, as of June 9, 2010. Panasonic studies.

* The TH-152UX1 is not equipped with Memory Lock.

**Blue-Only Mode**

A Blue-Only Mode, which is essential for monitor adjustment, is included. It allows the red and green signals to be cut off, and displays only the blue signal in a monochrome image. This mode is used mainly for aligning the output signal (external and online video) with the input signal of a test chart. The image will be a monochrome image.
Native contrast of 5,000,000:1\(^*\) gives you high-quality images with rich textures.

A high native contrast of 4,000,000:1\(^*\) clearly obliterates light areas from dark areas in the image. Even the finest details are a bright day are clearly rendered, in images with stunning detail. Textures are reproduced with¿a high degree of realism. A right down to the deadliest are highlighted and vivid.

The dark-room contrast ratio of the panel unit that can be displayed is 8,192 equivalent steps of brightness and colour. Native contrast of 5,000,000:1\(^*\) boosts detailed expression rich textures that have never before been possible.

Moving-picture resolution of 1,080 lines. Clear motion images in sports and action movies.

In order to achieve moving images that are displayed at 20 frames per second, these displays achieve more than 1,000 frames of moving picture resolution\(^*\) \(2\). This clearly shows detailed motion even in fast-action scenes, and deeply gender body to the image. Moving-picture resolution is also considered for images that include both slow and fast motion. To produce images, finely detailed images.

2D 3Qf Smooth Fill enhances 3D image depth

By shortening the display time for each frame, those displays achieve more than 1,000 frames of moving picture resolution\(^*\) \(2\). This clearly shows detailed motion even in fast-action scenes, and deeply gender body to the image. Moving-picture resolution is also considered for images that include both slow and fast motion. To produce images, finely detailed images.

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8,192 equivalent steps of gradation boost detailed expression

The extremely high performance that enables it to display up to 8,192 steps is practically a redoubtable high performance when displaying images. That performance, which is achieved in 8,192 equivalent steps of gradation and the smoothness with which it achieves this, is the reason why images can be created from a maximum number of steps that have never before been possible.

True 4K2K images are rendered at 4,096 x 2,160 pixels, double the conventional Full HD resolution. This is the world’s first* 4K2K self-illuminating panel. Ultrahigh-speed drive technology and a new display time for each frame, these displays achieve a high, 1,080 lines of moving-picture resolution. By shortening the display time for each frame, these displays achieve more than 1,000 frames of moving picture resolution\(^*\) \(2\). This clearly shows detailed motion even in fast-action scenes, and deeply gender body to the image. Moving-picture resolution is also considered for images that include both slow and fast motion. To produce images, finely detailed images.

Process images with External Scaler Mode*\(^1\)

With this advanced function, you can process images easily the way you want them. It lets you convert the image with an external scaler instead of using the display to build in scales. This lets you display any digital video display by linking the memory and editing the filter.

Easily save preferred settings with Picture Profile

The Picture Profile lets you save various settings that you have made for color and other image preferences. You can return the settings at any time, enjoy the image and see the video that you saved. You can also save as much as one set of Picture Profile settings for each input. You can also save your favorite filters and Picture Profile settings for each input.

Blue-Only Mode

A Blue-Only Mode, which is essential for motion adjustment, is included. It changes the red and green signals to black and displays only the blue signal in a monochrome image. This mode is used mainly for adjusting the color matching (interlace and color phase) of the video devices. This blue-only signal can be used to adjust the color balance and color saturation.

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## Specification

### 4K2K Plasma Display

**TH-152UX1W**

<table>
<thead>
<tr>
<th>DISPLAY</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen size (Diagonal)</td>
<td>152-inch (3,862 mm)</td>
</tr>
<tr>
<td>Aspect Ratio</td>
<td>17:9</td>
</tr>
<tr>
<td>Effective Display Area (W x H)</td>
<td>4,096 x 2,160 pixels</td>
</tr>
<tr>
<td>Pixel Pitch (H x V)</td>
<td>0.834 x 0.834 mm</td>
</tr>
<tr>
<td>Native Contrast</td>
<td>5,000,000:1</td>
</tr>
<tr>
<td>Gradation</td>
<td>8,192 steps (equivalent)</td>
</tr>
<tr>
<td>Panel Life</td>
<td>Approx. 100,000 hours</td>
</tr>
<tr>
<td>FULL HD 3D</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**CONNECTION TERMINAL**

| Dual Link HD-SDI | Dual Link HD-SDI x 4 (Compatible with HDCP 1.4) |
| HDMI In | HDMI In |
| Component In | Component In |
| Audio In (L/R) | Audio In (L/R) |
| Audio Line Out (L/R) | Audio Line Out (L/R) |
| Function Slot | SLOT 2.0 |

**CONTROL TERMINAL**

| Serial | D-Sub 9-pin x 1 (RS-232C Compatible) |
| LAN | — |
| 3D Shutter Out | M3 Jack x 1 (For Optional 3D IR Transmitter) |

**POWER**

| Power Requirements | 200 – 240 V AC, 50 Hz/60 Hz |
| Power Consumption | 1,920 W |
| Power off Condition | 0.3 W |
| Stand-by Condition | 0.5 W |
| Dimensions (W x H x D) | 2,015 x 1,195 x 99 mm |
| Weight | Approx. 117.0 kg |
| Operating Environment | | |

### TH-85VX200W

<table>
<thead>
<tr>
<th>DISPLAY</th>
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</thead>
<tbody>
<tr>
<td>Screen size (Diagonal)</td>
<td>85-inch (2,162 mm)</td>
</tr>
<tr>
<td>Aspect Ratio</td>
<td>16:9</td>
</tr>
<tr>
<td>Effective Display Area (W x H)</td>
<td>1,920 (W) x 1,080 (H)</td>
</tr>
<tr>
<td>Pixel Pitch (H x V)</td>
<td>0.984 x 0.984 mm</td>
</tr>
<tr>
<td>Native Contrast</td>
<td>5,000,000:1</td>
</tr>
<tr>
<td>Gradation</td>
<td>8,192 steps (equivalent)</td>
</tr>
<tr>
<td>Panel Life</td>
<td>Approx. 100,000 hours</td>
</tr>
<tr>
<td>FULL HD 3D</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**CONNECTION TERMINAL**

| Dual Link HD-SDI | Dual Link HD-SDI x 4 (Compatible with Deep Colour) |
| HDMI In | HDMI In |
| Component In | Component In |
| Audio In (L/R) | Audio In (L/R) |
| Audio Line Out (L/R) | Audio Line Out (L/R) |
| Function Slot | SLOT 2.0 |

**CONTROL TERMINAL**

| Serial | D-Sub 9-pin x 1 (RS-232C Compatible) |
| LAN | — |
| 3D Shutter Out | M3 Jack x 1 (For Optional 3D IR Transmitter) |

**POWER**

| Power Requirements | 200 – 240 V AC, 50 Hz/60 Hz |
| Power Consumption | 1,260 W |
| Power off Condition | 0.3 W |
| Stand-by Condition | 0.5 W |
| Dimensions (W x H x D) | 2,015 x 1,195 x 99 mm |
| Weight | Approx. 117.0 kg |
| Operating Environment | | |

### TH-103VX200W

<table>
<thead>
<tr>
<th>DISPLAY</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen size (Diagonal)</td>
<td>103-inch (2,599 mm)</td>
</tr>
<tr>
<td>Aspect Ratio</td>
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<td>Effective Display Area (W x H)</td>
<td>1,920 (W) x 1,080 (H)</td>
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<tr>
<td>Pixel Pitch (H x V)</td>
<td>1.182 x 1.182 mm</td>
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<tr>
<td>Native Contrast</td>
<td>5,000,000:1</td>
</tr>
<tr>
<td>Gradation</td>
<td>8,192 steps (equivalent)</td>
</tr>
<tr>
<td>Panel Life</td>
<td>Approx. 100,000 hours</td>
</tr>
<tr>
<td>FULL HD 3D</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**CONNECTION TERMINAL**

| Dual Link HD-SDI | Dual Link HD-SDI x 4 (Compatible with Deep Colour) |
| HDMI In | HDMI In |
| Component In | Component In |
| Audio In (L/R) | Audio In (L/R) |
| Audio Line Out (L/R) | Audio Line Out (L/R) |
| Function Slot | SLOT 2.0 |

**CONTROL TERMINAL**

| Serial | D-Sub 9-pin x 1 (RS-232C Compatible) |
| LAN | — |
| 3D Shutter Out | M3 Jack x 1 (For Optional 3D IR Transmitter) |

**POWER**

| Power Requirements | 200 – 240 V AC, 50 Hz/60 Hz |
| Power Consumption | 739 W |
| Power off Condition | 0.5 W |
| Stand-by Condition | 0.3 W |
| Dimensions (W x H x D) | 1,889 x 1,062 x 99 mm |
| Weight | Approx. 94.2 kg |
| Operating Environment | | |
Dimensions

TY-ST152UX1 (for 152-inch model)
TY-ST103PF9 (for 103-inch model)
TY-ST85P12 (for 85-inch model)

Optional Accessories

Mounting Options

Pedestal
TY-ST152UX1 (for 152-inch model)
TY-ST103PF9 (for 103-inch model)
TY-ST85P12 (for 85-inch model)

Wall-Hanging Bracket (Vertical)
TY-WK152UX1 (for 152-inch model)
TY-WK103PV9 (for 103-inch model)
TY-WK85PV12 (for 85-inch model)

Floor Stand
TY-ST85PF12 (for 85-inch model)

Function Boards

BNC Dual Video Terminal Board
TY-FB9BD

HD-SDI w/Audio Terminal Board
TY-FB10HD

Dual HD-SDI Terminal Board
TY-FB11DHD

DVI-D Terminal Board
TY-FB11DD

Peripherals

3D IR Transmitter
TY-3DTRW

Optional 3D Eyewears

L size
TY-EW3D3L

M size
TY-EW3D3M

S size
TY-EW3D3S

Included Accessory

Remote Control Transmitter
Illuminated Buttons
light up for easy access and operation in the dark.

3D Eyewear
TY-EW3D10E

* VX200 Series only
* Included with each VX200 Series is one pair of 3D Eyewear necessary to view the 3D content.
* 3D Eyewear are also available as optional accessories.

Cautions: This drawing is not a scale
Units: mm

Mounting Options

1. Use the appropriate optional accessories for installation, and install in a manner that facilitates maintenance and safe use.
2. In addition to the cost of the main unit, expenses are incurred for shipping, transport, installation, construction, etc.
3. Because this product uses 200-VAC power, power source construction may be required.
4. The TH-152UX1, TH-85UX200, and TH-103UX200, and the special installation options that they require, are all built to order.
Panasonic brings a total solution to 3D imaging

Panasonic is capable of providing an end-to-end solution for 3D – from producing images to authoring 3D Blu-ray Disc™ contents for professional use in presentations and a variety of business situations.

**Shoot and Create**

Panasonic 3D Innovation Center

**Package & Distribute**

Panasonic Hollywood Laboratory (PHL)

**Use in Public Spaces**

Panasonic

Panasonic 3D Innovation Center was established to accelerate the development and expansion of 3D businesses. By taking full advantage of the collective strengths of the Panasonic Group to spur the development of its 3D-related technologies and services, we are thus committed to creating new business models and strengthening total solutions to meet customer needs ahead of the times.