LED Video Wall

Model: VS-60HS12U

**Specification**

<table>
<thead>
<tr>
<th>Model name</th>
<th>VS-60HS12U</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen size</td>
<td>60&quot;</td>
</tr>
<tr>
<td>Native resolution</td>
<td>Full HD(1920 x 1080 pixels)</td>
</tr>
<tr>
<td>Viewing angle</td>
<td>1/2 gain: ±35 deg, 1/10 gain: ±57 deg</td>
</tr>
<tr>
<td>Contrast ratio</td>
<td>1000:1(Typ.)</td>
</tr>
<tr>
<td>Screen-to-screen gap</td>
<td>1.0-2.5mm(*3)</td>
</tr>
<tr>
<td>Light source</td>
<td>LED (RGB)</td>
</tr>
<tr>
<td>Light source average lifetime</td>
<td>100,000 hours*4</td>
</tr>
<tr>
<td>Control signal input</td>
<td>RS-232C: Dsub9</td>
</tr>
<tr>
<td>Power consumption</td>
<td>123W (Typ.)</td>
</tr>
<tr>
<td>Voltage range</td>
<td>100-240VAC±10%, 50/60Hz±1Hz</td>
</tr>
</tbody>
</table>

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Eco Changes is the Mitsubishi Electric Group’s environmental statement, and expresses the Group’s stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.
New space-saving LED video wall cube design achieves advanced visual communications under 24/7 operating environments

**VS-60HS12U**

Energy-saving LED light source and DLP™ projector system incorporated to realize more advanced visual communications. With state-of-the-art Mitsubishi Electric imaging technology, market-leading video wall cubes provide cutting-edge display solutions for mission-critical environments.

**DLP™ Technology for the Ultimate in High Quality and Digital Control**

At the core of Mitsubishi Electric projection technology is the DLP™ chip: a display device with minute metal mirrors arranged at multiple points on a silicon base using the most advanced semiconductor fabrication technology available. Each micromirror corresponds to a single pixel or element of the picture. Images are produced by manipulating these micromirrors electronically. *DLP and the DLP medallion logo are registered trademarks of Texas Instruments in the United States of America.*

**Consistent High-quality Images**

Full digital control of colour and gradation at every micromirror results in images with consistently high picture quality and uniform colour and brightness, even between the center and edges of the display wall.

**Higher Reliability**

The DLP™ chip is a reflective device with a very high reflection ratio, thus very little energy remains on the chip itself. This characteristic allows still images, text data and other fixed patterns to be displayed for long periods of time without image retention or burn-in that occurs with other image processing methods.

**Focusing on 24/7 Mission-critical Environments**

No burn-in and near-zero bezel design using DLP™ technology

The 0.65 DLP™ chip is a reflective imaging device that is not affected by heat absorption, even when projecting a fixed pattern over a long period of time. Its durability and imaging quality are the best option among displays, especially for 24/7 operating environments.

**Latest Mitsubishi LED Light Source Technology**

Optimized design for long-term use

The average life of a LED light source is approximately 10 times ultrahigh-pressure mercury lamp and 2 times LCD monitor. Mitsubishi Electric’s original efficient air cooling system has an optimal airflow path and cooling module design that are perfectly matched to the characteristics of the LED light source.

**Wider Colour Reproduction Range**

The LED light source offers a much wider range of colour reproduction, allowing a larger array of vivid colours to be used for the icons and symbols frequently used in command and control rooms. This ultimately makes it easier for command and control room operators to share information.

**Choice of Three Brightness Modes**

Equipped with an original LED power control circuit, each display wall cube can be set to operate in one of three operating modes, Bright, Normal and Eco, that is most appropriate for the intended application.

**Space-saving Design for Applications with Limited Space**

New slim-depth design for 60"

A new optical engine with a shorter-throw lens has been introduced, optimizing the image of the 60” display while reducing depth up to 41.3% compared to conventional rear-projection cubes.*

**Conservation of Resources**

With the adoption of LED light sources, energy consumption is reduced by up to 80% compared to conventional ultrahigh-pressure mercury lamp.

**Latest Mitsubishi LED Light Source Technology**

With the adoption of LED light sources, energy consumption is reduced by up to 80% compared to conventional ultrahigh-pressure mercury lamp.

**Digital Gradation Circuit**

Loss of brightness at the screen edges is no longer a problem owing to Mitsubishi Electric’s innovative digital gradation circuit. Brightness is distributed evenly across the screen, ensuring the reproduction of sharp, vivid images from edge to edge on multi-screen configurations.

**Dynamic Colour & Brightness Balancing**

Each video wall cube is equipped with three built-in sensors (one for each primary colour) that use a colour and brightness maintenance algorithm. The sensors continually monitor the individual red, green and blue output of each display wall cube, share the data with adjacent cubes, and adjust performance automatically to produce extremely accurate colours and brightness balance over the entire display. These features make it possible to maintain image uniformity on multi-screen configurations over long periods of operation without using external software or a computer.