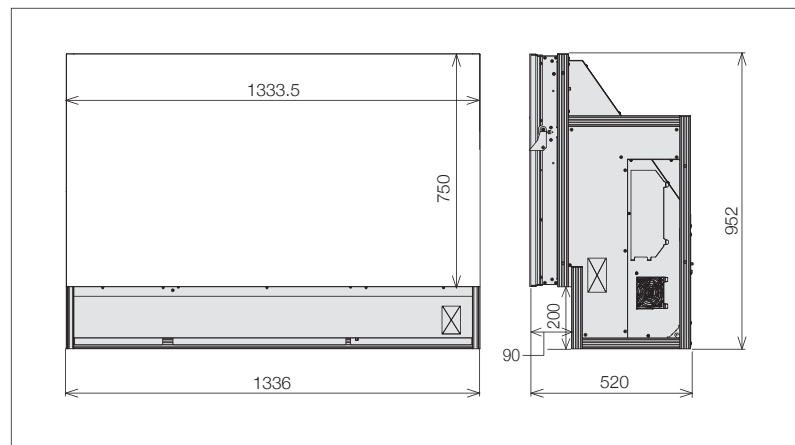


Specification

Model name		VS-60HS12U
Screen size		60"
Native resolution (*1)		Full HD(1920 x 1080 pixels)
Accessibility		Front
Technology		DLP™ technology(0.65" DLP™ 1 chip)/DarkChip3™/BrilliantColor™(*2)
Brightness	Bright mode	700cd/m² (Typ.)
	Normal mode	560cd/m² (Typ.)
	Eco mode	280cd/m² (Typ.)
Viewing angle	Horizontal	1/2 gain: ±35 deg, 1/10 gain: ±57 deg
	Vertical	1/2 gain: ±10 deg, 1/10 gain: ±28 deg
Contrast ratio		1000:1(Typ.)
Screen-to-screen gap	Horizontal	1.0-2.5mm(*3)
	Vertical	1.0-2.0mm(*3)
Light source		LED (RGB)
Light source average lifetime	Eco mode	100,000 hours*4
	Normal mode	80,000 hours
	Bright mode	60,000 hours
Control signal input	RS-232C: Dsub9	
	LAN: RJ45(10BASE-T/100BASE-TX)	
	Dsub9 x 2(IN/OUT)	
	Mitsubishi Original Control Link	
	Wire remote: F3.5 Jack	
		IR receiver
		DVI-I (digital with HDCP, analog) x1
Signal input terminal	Bright mode	123W (Typ.)
Power consumption	Normal mode	96W (Typ.)
	Eco mode	61W (Typ.)
Voltage range		100-240VAC±10%, 50/60Hz±1Hz
Operating current (100/240V)		1.7A/0.8A

(*1) Including overscan image
 (*2) DLP™, DarkChip3™ and BrilliantColor™ are trademarks of Texas Instruments.
 (*3) Differs according to configuration and environment. The maximum screen-to-screen gap size is recommended for large video walls to allow for screen expansion due to heat and humidity.
 (*4) The light source average lifetime of 100,000 hours in eco mode can be reached under the environmental condition of 27°C (80° F) or lower.



for a greener tomorrow

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.



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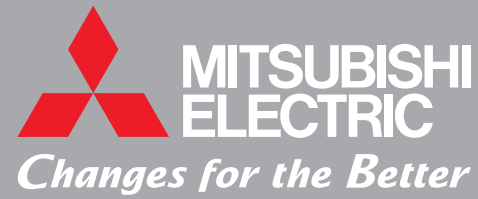
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 Specifications are subject to change without notice.



LED Video Wall

Model: VS-60HS12U



New space-saving LED video wall cube design achieves advanced visual communications under 24/7 operating environments

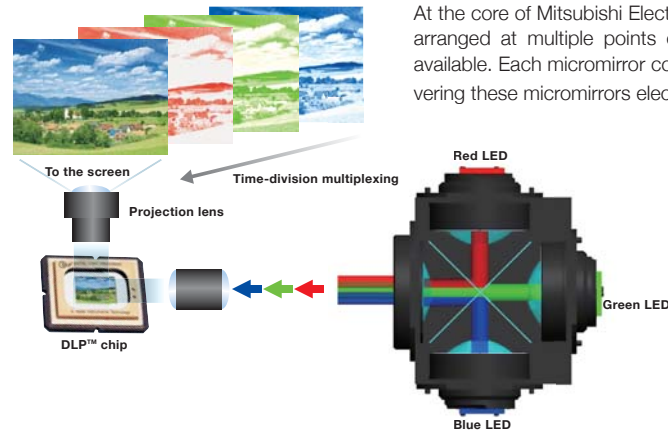
VS-60HS12U

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 maneuvering 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

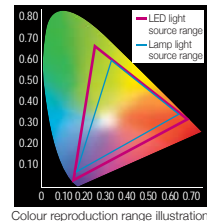
The average life of a LED light source is approximately 10 times ultrahigh-pressure mercury lamp and 2 times LCD monitor.

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.

Liquid Cooling System	Air Cooling System
Pump/Drive parts are required to circulate the liquid	Highly efficient, compact cooling module
Complex system requiring liquid reservoir and tube	No moving parts that require frequent replacement
Coolant must be replaced frequently due to deterioration and loss. Pump has a short service life (approx. 50,000hr)	Long service life

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 product can be set to operate in one of three operating modes, Bright, Normal and Eco, that is most appropriate for the intended application.

Proven Performance

Over 78,000 Mitsubishi Electric display wall products have been delivered to mission-critical command and control rooms around the world. Our new LED projection engines are developed through the deep understanding and experience gained from the market and listening closely to customers' needs.

*As of May 2016, in-house research.

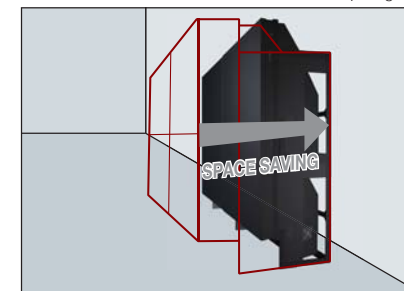
Eco-conscious

The LED light source eliminates the use of mercury, and thus helps to preserve the environment. At the same time, the Eco mode setting contributes to lower power consumption and CO₂ emissions than video wall cubes that use a conventional ultrahigh-pressure mercury lamp.

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. *Comparing with VS-60HEF120U



Full Front-access design for easy service, maintenance and installation

All installation, service and maintenance work can be performed from the front. In addition to the slim design, front accessibility saves space while still offering the benefit of rear-projection technology.



*For ventilation requirements, it is recommended to leave a space of 5cm at the rear of the display.

Equipped with Original Mitsubishi Electric Imaging Technologies for Creating and Sustaining the Best Images on Multiple Displays

Colour Space Control Circuit

To compensate for the colour and brightness inconsistencies on video wall cubes, Mitsubishi Electric has developed an original Colour Space Control Circuit that balances and blends colours. The ratios of each primary colour (red/green/blue) and other colour mixtures are adjusted to provide consistent colour blending and superior uniformity on multi-screen configurations.



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.

