MITSUBISHI ELECTRIC
Changes for the Better

for a greener tomorrow eco Changes

Be in control

with Mitsubishi Electric's Seventy Series

LED Light Source

Smart Lamp MITSUBISHI ELECTRIC TECHNOLOGY

FLAT LCD Screen

Brighter display solutions

Introduction

Mitsubishi Electric is one of the 40 companies that complete the Mitsubishi Group. Together with companies such as Mitsubishi Heavy Industries, Mitsubishi Motors Corporation, Caterpillar®, the Bank of Tokyo, Nikon Corporation and NYK Line they represent a diversified business matrix.

With more than 110,000 employees in over 35 countries, Mitsubishi Electric develops and manufactures a multitude of global technologies, in fields as diverse as Photovoltaic Power Generation, Unique Satellite Manufacturing, Air-conditioning and Visual Information Systems.

European operations began over 30 years ago, and today the organisations presence seamlessly covers Europe, Russia and CIS, Middle East and Africa.

Since 2002, the Visual Information Systems division has grown globally, and is recognized as a leading supplier of display wall solutions for command and control environments, with over 50,000 display wall installations to date worldwide.

Our commitment to providing high levels of reliability through cutting edge technology is reaffirmed throughout our entire product range and we are proud to offer one of the brightest, highest contrast LED and LCD display wall ranges available in the market place.

Heathrow Terminal 5, United Kingdom

The Seventy Series

The Seventy Series is Mitsubishi Electric's 7th generation of display wall solutions that are designed to deliver high performance, longevity, reliability and ease of maintenance in mission-critical applications like utility control rooms, power stations, traffic control centres, crisis management suites, network operation centres and studio backdrop applications.

Incorporating one of the most comprehensive ranges of display solutions the new 62" and 72" WUXGA (16:10) and 70" Full HD (16:9) LED cubes are further enhanced by a range of 4:3 models in 50", 60", 67" and 80" formats, available in a variety of resolutions including XGA and SXGA+. Front and rear access versions are available* in all sizes and resolutions.

The Seventy Series display range also includes a ultra slim bezel LCD offering, controllers and a D-Wall software suite; guaranteeing an extremely powerful turnkey display system.

*80" display cube is rear access only.

Features and benefits

Recognised design choice	High performance	Durability and reliability
Over 50,000 display systems installed worldwide	Best in class for brightness and contrast performance	Up to 80,000 hour of operation of LED light source
Largest choice in front and rear access cube design	Multiple electronic sensors for auto balance control and consistent colour and brightness matching	100,000 hour service life for fans
Dust proof optical engine design	Brilliant colour circuity for consistent high quality performance	Virtually maintenance free * LED light source
Specially designed air cooling system	Digital gradation control for screen corner brightness uniformity	Low cost of ownership
100% manufactured by Mitsubishi	3 brightness levels to best suit application demands	No 1. solution for true 24/7 operation

DLP® Technology

For the Ultimate in High Quality / 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 manoeuvring 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 centre 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.

LED Light Source Advantages

Virtually Maintenance free

A LED light source has an average service life* that is approximately 10 times longer than that of a conventional ultra high-pressure mercury lamp. Combined with the 100,000 hour, ultra long service life of our fans, the average service life of Mitsubishi Electric LED display wall cubes is close to 10 years, even when operated 24/7. *Service life figures not guaranteed.

Choice of Three Brightness Modes

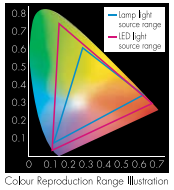
Equipped with an original LED power control circuit, each display wall cube can be set to operate in one of three modes: Normal, Bright or Eco. As a result, command and control room operators can select the brightness according to the environment and use.

Proven Performance

Over 50,000 Mitsubishi Electric DLP® projector systems 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 March 2011, in-house research.

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.



Colour Reproduction Range Illustration

Multiple Picture Settings

Mitsubishi Electric LED display wall cubes have multiple picture settings, giving customers the freedom to choose the best setting according to the application and content being displayed. Optimised Colour is best for reproducing natural looking colours, vivid colour provides more striking colours in icons/symbols, and Low Colour Temperature is ideal for backdrop applications in broadcasting studios.

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 CO^2 emissions than display wall cubes that use a conventional ultra high-pressure mercury lamp.

Smart Lamp Advantages

Advanced smart lamp

Each display wall cube stores the colour characteristics for the lamps connected to it. The system automatically accesses the data when a lamp is replaced and the Colour Space Control function is activated. The display wall cube containing the new lamp communicates with the other display wall cubes and performs colour adjustments automatically. This function is built into the display wall cubes and doesn't require the use of an external computer.

Dynamic colour and brightness balancing

Each display wall cube is equipped with a colour wheel that stores its own colour characteristics. A characteristics recognition system activates when a colour wheel is replaced in a previously installed display wall cube. Once the colour wheel has been replaced, the display wall cube containing the new colour wheel immediately recognizes the difference in the characteristics from the previous wheel and automatically makes adjustments to match the colours of the other display wall cubes. This function is built into the display wall cubes and doesn't require the use of an external computer.

Seventy Series Flat Advantages

5.7mm mullion (total)*

Super narrow 5.7mm mullion (total) minimizes the image content loss, which is critical for command and control room usage. * 7.3mm mullion for 46" LCD

Front access for easy service

When used in combination with Mitsubishi Electric's original optional wall mount kit, LCD panels can be accessed from the front-side of the system. This design makes it possible for panels to be serviced from the front as well as the rear.

Smart 7

The key to visual communications can be found in Mitsubishi Electric's Smart 7 technologies, the core concept behind the display wall design at Mitsubishi Electric. These advanced cutting-edge technologies are incorporated in all Seventy Series products, ensuring innovative display solutions for command and control room applications.

Flexibility

More Ports and Increased Input Resolution Options

The number of input boards has been increased for compatibility with a wider range of input signals. Compatibility with input resolution is also increased, now including up to WUXGA (1920×1200).

*Possible to select up to three from five optional boards per Display Wall Cube.


Analog RGB input board


Daisy chain board


Video input board


Digital RGB input board


3G SDI input board

Intelligence

High Resolution Images Created with Mitsubishi Electric's New Optical Engine and Image-quality Circuit Design

High contrast and brightness

With the newly developed optical system which is 100% tuned for LED light source, high contrast and brightness levels have been achieved ensuring the reproduction of clear and sharp images.

Colour Space Control Circuit

To compensate for the colour and brightness inconsistencies on display 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.


without Colour Space Control


with Colour Space Control

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.


without Digital Gradation


with Digital Gradation

Internal Processing

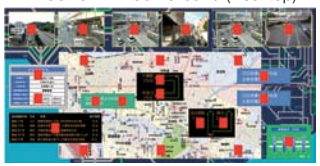
Built-in Processor

The Seventy Series units are equipped with an internal data processing function. Up to four windows (*1) or two windows (*2) per cube can be displayed when using the optional input boards. Windows can be of any size or displayed across the entire wall (up to six windows (*1) or three windows (*2) per cube is possible if a 'desktop' image is not present). Multiple windows can be moved freely without the need of an external computer. Used in combination with Mitsubishi Electric's D-Wall software suite, the entire imaging system can be controlled intuitively from a user-friendly graphical user interface.

(*1) WE/HE Models with VC-B70V2 or PE/XE Models with all boards. (*2) WE/HE Models with other boards.

1 Back Ground (Desktop)

4 Windows + 1 Back Ground (Desktop)



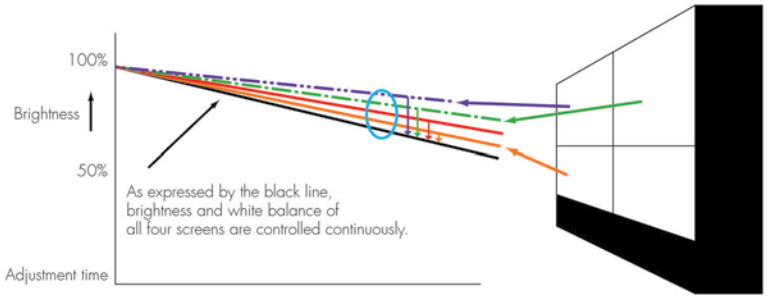
* The example is for PE / XE Models

Auto-balancing

Brightness and Colour Uniformity Maintained between Multiple Screens Realizing More Expressive Images

Dynamic Colour & Brightness Balancing

Each display 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 every two seconds, 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.



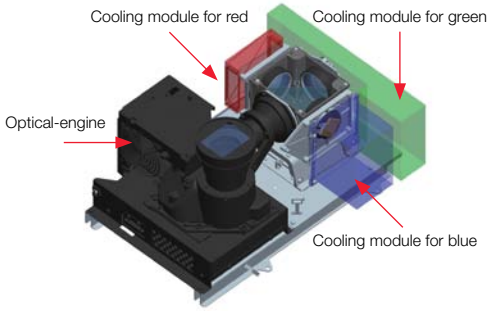
4-screen Multi-image Example

Durability

Air Cooling System for LED Light Source

Efficient Air Cooling System Realizes Higher Reliability

Mitsubishi's unique 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

- Pump / Drive parts are required to circulate the liquid
- Complex system requiring liquid reservoir and tube
- Coolant must be replaced frequently due to deterioration and loss. Pump has a short service life (approx. 50,000 hr)

Air Cooling System used by Mitsubishi

- Highly efficient, compact cooling module
- No moving parts that require frequent replacement
- Long service life

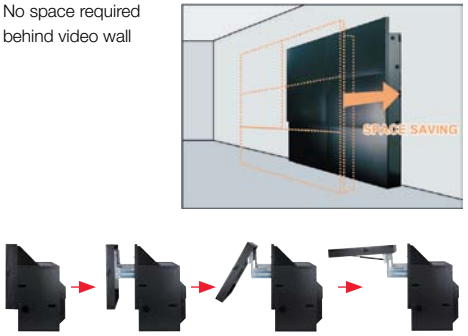
*The module consists of a high-performance cooling pipe and aluminium plate

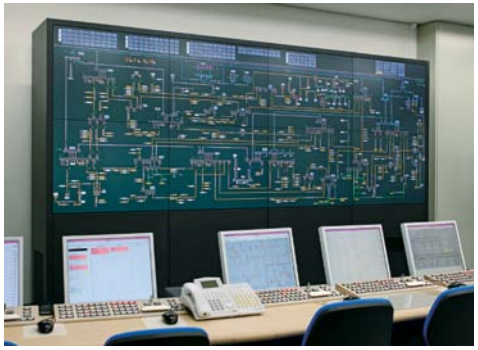
Easy Set-up

Full Front Access for Simple Maintenance

Mitsubishi Electric offers a wide line-up of front access cube wall options: front access is available for 70" [Full HD (1080P)], 62" (WUXGA) and 72" (WUXGA) models, as well as 4:3 models (50", 60" and 67", both XGA and SXGA+). The specially designed slide-and-lift operated screen and the special air ventilation system allow all installation and maintenance work to be completed from the front side. As a result, no maintenance space is needed behind the display wall cubes even if they are tiled as a display wall installation.

No space required behind video wall





Okazaki Electricity DMS Centre

Redundancy

Smart Switch

A "Smart Switch" function has been added to Mitsubishi Electric display wall cubes to deliver the signal redundancy necessary for mission critical applications that require round-the-clock operation. If a signal is unexpectedly lost, the display wall automatically switches to the alternative signal source (either "port-to-port" or "board-to-board") within seconds after the 'no signal' status is detected. This function makes it possible for the user to minimize downtime in the event of a signal source failure.

Display Wall – 46", 50", 55", 60", 62", 67", 70", 72", 80" overview

50XL / 60XL / 67XL*
50" / 60" / 67" XGA
Internal processing capabilities
Single lamp
Rear access
2200:1 contrast ratio
1150 / 800 / 640cd/m² of brightness
D-Wall software suite (optional)

50XLF / 60XLF / 67XLF*
50" / 60" / 67" XGA
Internal processing capabilities
Single lamp
Front access
2200:1 contrast ratio
1150 / 800 / 640cd/m² of brightness
D-Wall software suite (optional)

50XH / 60XH / 67XH*
50" / 60" / 67" XGA
Internal processing capabilities
Dual lamp, lamp changer
Rear access
2200:1 contrast ratio
1150 / 800 / 640cd/m² of brightness
D-Wall software suite (optional)

50XHF / 60XHF / 67XHF*
50" / 60" / 67" XGA
Internal processing capabilities
Dual lamp, lamp changer
Front access
2200:1 contrast ratio
1150 / 800 / 640cd/m² of brightness
D-Wall software suite (optional)

50XE / 60XE / 67XE*
50" / 60" / 67" XGA
Internal processing capabilities
LED light source
Rear access
1700:1 contrast ratio
510 / 350 / 280cd/m² of brightness
D-Wall software suite (optional)

50XEF / 60XEF / 67XEF*
50" / 60" / 67" XGA
Internal processing capabilities
LED light source
Front access
1700:1 contrast ratio
510 / 350 / 280cd/m² of brightness
D-Wall software suite (optional)

50PH / 60PH / 67PH*
50" / 60" / 67" SXGA+
Internal processing capabilities
Dual lamp, lamp changer
Rear access
2400:1 contrast ratio
1150 / 800 / 640cd/m² of brightness
D-Wall software suite (optional)

50PHF / 60PHF / 67PHF*
50" / 60" / 67" SXGA+
Internal processing capabilities
Dual lamp, lamp changer
Front access
2400:1 contrast ratio
1150 / 800 / 640cd/m² of brightness
D-Wall software suite (optional)

50PE / 60PE / 67PE*
50" / 60" / 67" SXGA+
Internal processing capabilities
LED light source
Rear access
1900:1 contrast ratio
550 / 380 / 300cd/m² of brightness
D-Wall software suite (optional)

50PEF / 60PEF / 67PEF*
50" / 60" / 67" SXGA+
Internal processing capabilities
LED light source
Front access
1900:1 contrast ratio
550 / 380 / 300cd/m² of brightness
D-Wall software suite (optional)

80PH
80" SXGA+
Internal processing capabilities
Dual lamp, lamp changer
Rear access
2400:1 contrast ratio
150cd/m² of brightness
D-Wall software suite (optional)

70HE*
70" Full HD
Internal processing capabilities
LED light source
Rear access
1500:1
610cd/m² of brightness
D-Wall software suite (optional)

70HEF*
70" Full HD
Internal processing capabilities
LED light source
Front access
1500:1
610cd/m² of brightness
D-Wall software suite (optional)

62WE / 72 WE*
62" / 72" WUXGA
Internal processing capabilities
LED light source
Back access
1500:1
840 / 610cd/m² of brightness
D-Wall software suite (optional)

62WEF / 72 WEF*
62" / 72" WUXGA
Internal processing capabilities
LED light source
Front access
1500:1
840 / 610cd/m² of brightness
D-Wall software suite (optional)

* As standard all Seventy Series display wall cubes come with a Black Stripe Screen, optional Cross Lenticular - or Black Bead Screens are available upon special request.

Seventy Series Flat

Australian Stock Exchange ASX Group, Sydney

The Mitsubishi Electric LCD Display Wall System is the ideal solution for small and medium sized control rooms that require high picture quality over extended periods of time. It features an advanced technology system that provides intelligence, durability and redundancy. In fact Mitsubishi's Smart 7 concept is also incorporated into the design of our LCD Display Wall range, ensuring a first class display wall system.

Combining a space-saving design and easy video/data integration using slot-in board processing, this display wall system is perfect for the following applications:

- Traffic management
- Security operations
- Power distribution/Water treatment management
- Broadcasting
- Public display
- Creative retailing
- Digital signage

VS-L46XM70U

- 46" Ultra Slim LCD
- 1366 x 768 resolution
- Internal processing capabilities
- 3000:1
- 700 cd/m² of brightness
- D-Wall software suite (optional)

VS-L55HM70U

- 55" Ultra Slim LCD
- Full HD (1920 x 1080)
- Internal processing capabilities
- 3500:1
- 700 cd/m² of brightness
- D-Wall software suite (optional)

Additional Features

Bezel compensation
Images can be displayed in two modes, Real Picture Window (RPW) or Natural Picture Window (NPW). RPW displays images using the entire input signal (no image loss), making it suitable for displaying surveillance images and similar applications. NPW realizes a smoothly connected screen image appearance when using multiple screens; perfect for moving pictures.

3 operational modes
Three backlight power modes (Bright, Normal and Eco) can be selected according to the operating environment.

Screen size		62" diagonal size		72" diagonal size		70" diagonal size		50" diagonal size		60" diagonal size		67" diagonal size		80" diagonal
Abbreviated model name		62WE	62WEF	72WE	72WEF	70HE	70HEF	50PE75	50PEF75	60PE75	60PEF75	67PE75	67PEF75	80PE75
Native resolution		WUXGA (1920 x 1200 Pixels)				High definition (1920 x 1080 pixels)		SXGA+ (1400 x 1050 Pixels)						
Accessibility		Rear	Front	Rear	Front	Rear	Front	Rear	Front	Rear	Front	Rear	Front	Rear
Technology		DLP™ technology (0.96" DLP™ 1 chip)/DarkChip3™/BrilliantColor™ (*1)						DLP ™ technology (0.95" DLP™ 1 chip)/DarkChip3™/BrilliantColor™ (*1)						
Brightness	Bright mode	840cd/m² (Typ.)		610cd/m² (Typ.)				1090cd/m² (Typ.)		760cd/m² (Typ.)		610cd/m² (Typ.)		450cd/m² (T
	Normal mode	690cd/m² (Typ.)		500cd/m² (Typ.)				900cd/m² (Typ.)		630cd/m² (Typ.)		500cd/m² (Typ.)		370cd/m² (T
	Eco mode	510cd/m² (Typ.)		380cd/m² (Typ.)				670cd/m² (Typ.)		470cd/m² (Typ.)		370cd/m² (Typ.)		280cd/m² (T
Viewing angle	Horizontal	1/2 gain: ±35deg, 1/10 gain: ±57deg						1/2 gain: ±36deg, 1/10 gain: ±58deg (80" : 1/2 gain: ±35deg, 1/10 gain: ±57						
	Vertical	1/2 gain: ±10deg, 1/10 gain: ±28deg						1/2 gain: ±10deg, 1/10 gain: ±25deg (80" : 1/2 gain: ±10deg, 1/10 gain: ±28						
Contrast ratio		1500:1 (Typ.)						1600:1 (Typ.)						
Screen to screen gap	Horizontal	0.2 - 1.5mm (*2)	1.0 - 2.5mm (*2)	0.2 - 2.0mm (*2)	1.0 - 3.0mm (*2)	0.2 - 2.0mm (*2)	1.0 - 3.0mm (*2)	0.2 - 1.0mm (*2)	1.0 - 2.0mm (*2)	0.2 - 1.5mm (*2)	1.0 - 2.5mm (*2)	0.2 - 2.0mm (*2)	1.0 - 3.0mm (*2)	0.2 - 3.0mm
	Vertical	0.2 - 1.0mm (*2)	1.0 - 2.0mm (*2)	0.2 - 1.5mm (*2)	1.0 - 2.5mm (*2)	0.2 - 1.5mm (*2)	1.0 - 2.5mm (*2)							
Light source		LED (RGB)												
	Expected service life (*3)	80,000hrs (*3)												
Key parts service life (Average)	DLP™ chip	100,000hrs. (MTBF 650,000hrs)												
	Cooling fan	100,000hrs												
Control signal input		RS-232C: D-sub 9-pin												
		LAN: RJ45 (10BASE-T/100BASE-TX)												
		Dsub9 x 2 (IN/OUT)												
		Mitsubishi Electric Original Control Link												
		Wire remote: F3.5 Jack												
		IR reciever												
Optional input board slot		x3												
Power consumption (w/ 1 input board)	Bright mode	250W (Typ.)						210W (Typ.)						
	Normal mode	190W (Typ.)						160W (Typ.)						
	Eco mode	150W (Typ.)						120W (Typ.)						
Voltage range		100-240VAC±10%, 50/60Hz±1Hz												
Operating current (100/240V)		3.5/1.4Amp.						3.2/1.3Amp.						
Operating environment	Temperature	10-35°C (50-95°F)	10-30°C (50-86°F)	10-35°C (50-95°F)	10-30°C (50-86°F)	10-35°C (50-95°F)	10-30°C (50-86°F)	10-35°C (50-95°F)	10-30°C (50-86°F)	10-35°C (50-95°F)	10-30°C (50-86°F)	10-35°C (50-95°F)	10-30°C (50-86°F)	10-35°C (50-95°F)
	Humidity	20-80% non-condensing												
Weight		100kg/220lbs	105kg/231lbs	112kg/247lbs	116kg/276lbs	107kg / 236lbs	112kg/247lbs	72kg/159lbs	79kg/174lbs	91kg/201lbs	97kg/214lbs	106kg/234lbs	110kg/243lbs	140kg/309
Model number	Projection engine	VS-WE75U						VS-PE75U						
	Cabinet	S-62WE75CA	S-62WE75CAF	S-72WE75CA	S-72WE75CAF	S-70HE75CA	S-70HE75CAF	S-5070CA	S-5070CAF	S-6070CA	S-6070CAF	S-6770CA	S-6770CAF	S-8070C
	Screen unit	SC-62WE75U	SC-62WE75UF	SC-72WE75U	SC-72WE75UF	SC-70HE75U	SC-70HE75UF	SC-5070U	SC-5070UF	SC-6070U	SC-6070UF	SC-6770U	SC-6770UF	SC-8075U

(*1) DLP™, DarkChip3™ and BrilliantColor™ are trademarks of Texas Instruments.
(*2) Depending on configuration and environment. The maximum screen to screen gap size is recommended for large display walls to allow for screen expansions due to heat and humidity.
(*3) The lifetime of LED light source is an expected value, not guaranteed. The expected lifetime: Temperature condition at operation is 77°F/25°C. With 95°F/35°C, LED lifetime with Bright Mode is 60,000hrs.
* This product is "class 2" LED product.

Cross Lenticular Screen (Option for all models):

Abbreviated model name with optional Cross-lenticular Screen		62WEL	62WEFL	72WEL	72WEFL	70HEL	70HEFL	50PE75L	50PEF75L	60PE75L	60PEF75L	67PE75L	67PEF75L	80PE75L
Model number for optional cross-lenticular screen		SC-62WE75L	SC-62WE75LF	SC-72WE75L	SC-72WE75LF	SC-70HE75L	SC-70HE75LF	SC-5075L	SC-5075LF	SC-6075L	SC-6075LF	SC-6775L	SC-6775LF	SC-8075
Brightness with optional cross-lenticular screen	Bright mode	430cd/m² (typ.)		310cd/m² (typ.)				570cd/m²(Typ.)		400cd/m²(Typ.)		320cd/m²(Typ.)		230cd/m²(T
	Normal mode	350cd/m² (typ.)		260cd/m² (typ.)				470cd/m²(Typ.)		330cd/m²(Typ.)		260cd/m²(Typ.)		190cd/m²(T
	Eco mode	260cd/m² (typ.)		190cd/m² (typ.)				350cd/m²(Typ.)		240cd/m²(Typ.)		190cd/m²(Typ.)		140cd/m²(T
Viewing angle with optional cross-lenticular screen	Horizontal	1/2 gain: ±35 deg, 1/10 gain: ±57deg												
	Vertical	1/2 gain: ±33deg, 1/10 gain: ±55deg												

Black Bead Screen (Option for 4:3 models):

Abbreviated model name with Black Bead Screen			50PE75B	50PEF75B	60PE75B	60PEF75B	67PE75B	67PEF75B	80PE75B
Model number for Black Bead Screen			SC-5070B	SC-5070BF	SC-6070B	SC-6070BF	SC-6770B	SC-6770BF	SC-8070
Brightness with Black Bead Screen	Bright mode		270cd/m²(Typ.)		190cd/m²(Typ.)		150cd/m²(Typ.)		110cd/m²(T
	Normal mode		220cd/m²(Typ.)		150cd/m²(Typ.)		120cd/m²(Typ.)		90cd/m²(Ty
	Eco mode		170cd/m²(Typ.)		110cd/m²(Typ.)		90cd/m²(Typ.)		60cd/m²(Ty
Viewing angle with Black Bead Screen	Horizontal		1/2 gain: ±35Degree, 1/1						
	Vertical								

size	50" diagonal size		60" diagonal size		67" diagonal size	
	50XE	50XEF	60XE	60XEF	67XE	67XEF
	XGA (1024 x 768 Pixels)					
	Rear	Front	Rear	Front	Rear	Front
	DLP ™ technology (0.7" DLP™ 1 chip)/DarkChip3™/BrilliantColor™ (*1)					
Typ.)	510cd/m² (Typ.)		350cd/m² (Typ.)		280cd/m² (Typ.)	
Typ.)	420cd/m² (Typ.)		290cd/m² (Typ.)		230cd/m² (Typ.)	
Typ.)	330cd/m² (Typ.)		230cd/m² (Typ.)		180cd/m² (Typ.)	
deg)						
deg)						
	1700:1 (Typ.)					
(*2)	0.2 - 1.0mm (*2)	1.0 - 2.0mm (*2)	0.2 - 1.5mm (*2)	1.0 - 2.5mm (*2)	0.2 - 2.0mm (*2)	1.0 - 3.0mm (*2)
	220W (Typ.)					
	160W (Typ.)					
	117W (Typ.)					
	2.7/1.4Amp.					
)	10-35°C (50-95°F)	10-30°C (50-86°F)	10-35°C (50-95°F)	10-30°C (50-86°F)	10-35°C (50-95°F)	10-30°C (50-86°F)
lbs	71kg/156lbs	78kg/172lbs	90kg/198lbs	96kg/212lbs	105kg/231lbs	109kg/240lbs
	VS-XE70U					
A	S-5070CA	S-5070CAF	S-6070CA	S-6070CAF	S-6770CA	S-6770CAF
U	SC-5070U	SC-5070UF	SC-6070U	SC-6070UF	SC-6770U	SC-6770UF

	50XEL	50XEFL	60XEL	60XEFL	67XEL	67XEFL
L	SC-5075L	SC-5075LF	SC-6075L	SC-6075LF	SC-6775L	SC-6775LF
Typ.)	270cd/m²(Typ.)		180cd/m²(Typ.)		150cd/m²(Typ.)	
Typ.)	220cd/m²(Typ.)		150cd/m²(Typ.)		120cd/m²(Typ.)	
Typ.)	170cd/m²(Typ.)		120cd/m²(Typ.)		90cd/m²(Typ.)	

B	50XEB	50XEFB	60XEB	60XEFB	67XEB	67XEFB
B	SC-5070B	SC-5070BF	SC-6070B	SC-6070BF	SC-6770B	SC-6770BF
Typ.)	130cd/m²(Typ.)		90cd/m²(Typ.)		70cd/m²(Typ.)	
Typ.)	100cd/m²(Typ.)		75cd/m²(Typ.)		55cd/m²(Typ.)	
Typ.)	80cd/m²(Typ.)		55cd/m²(Typ.)		45cd/m²(Typ.)	
0 gain: ±75Degree						

Model Name	VS-L46XM70U	VS-L55HM70U
Display Orientation	Landscape	Landscape / Portrait
Display Device	TFT LCD (SPVA Mode)	TFT LCD (SPVA Mode)
Back Light Technology	CCFL	LED (Direct)
Display Resolution	WXGA (1366x768 Pixels)	Full HD (1920 x 1080 Pixels)
Viewable Image Size	46" (H:1018.4mm / V:572.5mm)	55" (H:1209.6mm / V:680.4mm)
Brightness	700cd/m² (Typ.) @Bright Mode 500cd/m² (Typ.) @Normal Mode 350cd/m² (Typ.) @Eco Mode	700cd/m² (Typ.) @Bright Mode 500cd/m² (Typ.) @Normal Mode 350cd/m² (Typ.) @Eco Mode
Contrast Ratio	3000:1 (Typ.)	3500:1 (Typ.)
Viewing Angle (H/V)	178 Degree	178 Degree
Display Colours	16.7 Million	16.7 Million
Mullion (Total)	7.3mm (Typ.) / 8.3mm (Typ.)*	5.7mm (Typ.) / 6.7mm (Typ.)**
Back Light Operating Life	50000hrs (Average)	50000hrs (Average)
Optional Input Board Slot	x3	x3 (One VC-B70DC card is pre-installed)
Control Signal Input	RS-232C: Dsub9 LAN: RJ45 (10BASE-T / 100BASE-TX) Dsub 9 x 2 (IN / OUT) Mitsubishi Original Control Link Wired Remote: F3.5 Jack IR Receiver (Option)	RS-232C: Dsub9 LAN: RJ45 (10BASE-T / 100BASE-TX) Dsub 9 x 2 (IN / OUT) Mitsubishi Original Control Link Wired Remote: F3.5 Jack IR Receiver (Option)
Input Signal	Refer to the bottom input board (Option) specifications	Refer to the bottom input board (Option) specifications
Overlay Function	Max. 6 Windows per each screen	Max. 6 Windows per each screen (with VC-B70V2) Max. 3 Windows per each screen (with other boards)
Control S/W (Option)	Mitsubishi D-Wall Software Suite	Mitsubishi D-Wall Software Suite
Power Consumption	255W (Typ.) @Bright Mode 205W (Typ.) @Normal Mode 175W (Typ.) @Eco Mode	210W (Typ.) @Bright Mode 170W (Typ.) @Normal Mode 150W (Typ.) @Eco Mode
Voltage Range	AC100-240V±10%, 50/60Hz±1Hz	AC100-240V±10%, 50/60Hz±1Hz
Dimensions	1025.7mm(W) x 579.8mm(H) x 150mm(D) 40.4inch(W) x 22.8inch(H) x 5.9inch(D)	1215.3mm(W) x 686.1mm(H) x 173mm(D) 47.8inch(W) x 27inch(H) x 6.8inch(D)
Operating Condition	5-35C.Degree (41-95F.Degree) @Normal / Eco Mode 5-30C.Degree (41-86F.Degree) @Bright Mode	5-35C.Degree (41-95F.Degree) @Normal / Eco Mode 5-30C.Degree (41-86F.Degree) @Bright Mode
Weight	30Kg / 66lbs	40Kg / 88lbs

*When using with wall mount frame BR-XM70KK (optional) ** When using with wall mount frame BR-HM70KK (optional)

Analog RGB input board (Option)

Model number		VC-B70G2
Signal input terminal (Analog RGB)		5BNC x1, HD D-sub 15 pins x1
RGB input scanning frequency	Signal resolutions	VGA (640 x 480) - WUXGA (1920 x 1200)
	Horizontal	31.5kHz - 92kHz
	Vertical	49Hz - 85Hz
Pixel clock rate		25MHz - 162MHz
Functions		Image scaling (shrink and zoom) Frame rate conversion

Digital RGB input board (Option)

Model number		VC-B70D2
Signal input terminal (Digital RGB)		DVI-D x2
RGB input scanning frequency	Signal resolutions	VGA (640 x 480) - WUXGA (1920 x 1200)
	Horizontal	31.5kHz - 92kHz
	Vertical	49Hz - 85Hz
Pixel clock rate		25MHz - 162MHz
Sigal format		TMDS
Functions		Image scaling (shrink and zoom) Frame rate conversion

Video input board (Option)

Model number	VC-B70V2
Signal input terminal (Analog Video)	3BNC x2
Analog video input signals	NTSC, NTSC4.43, PAL, PAL-M, PAL-N PAL-60, SECAM
Functions	Image scaling (shrink and zoom) Frame rate conversion

Daisy chain board (Option)

Model number		VC-B70DC
Signal input terminal		Analog RGB: HD D-sub15pins x1
		Digital RGB: DVI-D x1
		Analog video: 3BNC x1
Signal output terminal		Digital RGB: DVI-D x 1 (for daisy chain use only)
RGB input scanning frequency	Signal resolutions	VGA (640 x 480) - WUXGA (1920 x 1200)
	Horizontal	31.5kHz - 92kHz
	Vertical	49Hz - 85Hz
Analog video input signals		NTSC, NTSC4.43, PAL, PAL-M, PAL-N PAL-60, SECAM
Pixel clock rate		25MHz - 162MHz
Functions		Image scaling (shrink and zoom) Frame rate conversion Daisy chain (Up to 16 cubes)

3G-SDI input board (Option)

Model number	VC-B70SD1
Signal input terminal	HD-SDI: BNC x1
Input signals	3G-SDI (SMPTE424M): 1080p@50/59.94/60Hz
	HD-SDI (SMPTE292M): 1080i@50/59.94/60Hz, 720p@50/59.94/60Hz
	SD-SDI (SMPTE259-C): 480i@59.94Hz,576@50Hz
Signal output terminal	HD-SDI: BNC x1 (for through output)
Gen Lock input termninal	BNC x1
Functions	Image scaling (shrink and zoom) Frame rate conversion through output

*At least one input board per single display is needed for operation.

*The specifications are subject to change without notices.

Model	Screen size (inches)	Resolution					Front access
		WUXGA (1920 x 1200)	Full HD (1920 x 1080)	SXGA+ (1400 x 1050)	1366 x 768	XGA (1024 x 768)	
62WE	62	O					
62WEF	62	O					O
72WE	72	O					
72WEF	72	O					O
70HE	70		O				
70HEF	70		O				O
50PE75	50			O			
50PEF75	50			O			O
60PE75	60			O			
60PEF75	60			O			O
67PE75	67			O			
67PEF75	67			O			O
80PE75	80			O			
50XE	50					O	
50XEF	50					O	O
60XE	60					O	
60XEF	60					O	O
67XE	67					O	
67XEF	67					O	O
L46HM	46				O		O
L55XM	55		O				O

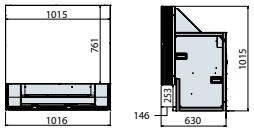
Network Operation Centre, KPN, the Netherlands

Studio backdrop, RTL, Luxemburg

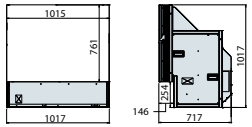
Dispatch centre on railway network, ADIF, Spain

4 : 3

50PE75/50XE



50PEF75/50XEF



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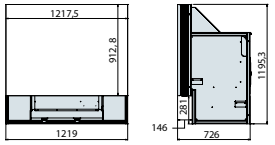

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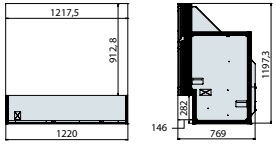
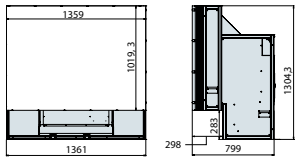
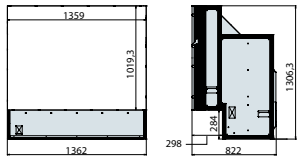


67PE75/67XE



67PEF75/67XEF



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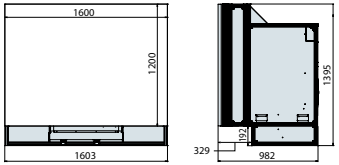
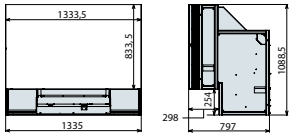
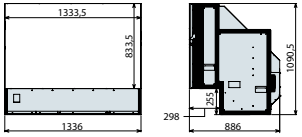


16 : 10

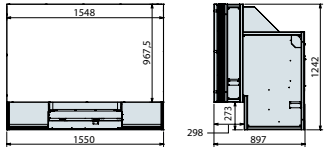
62WE



62WEF



72WE



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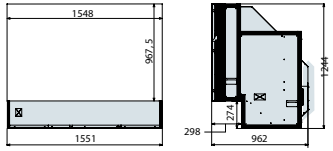
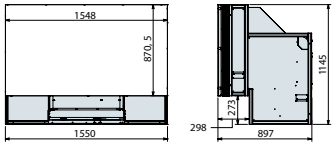
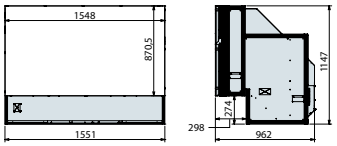


16 : 9

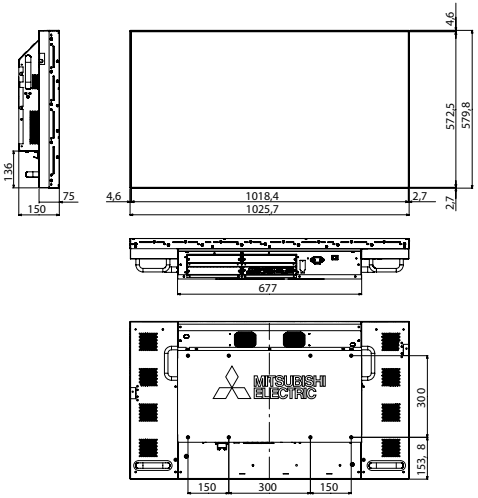
70HE



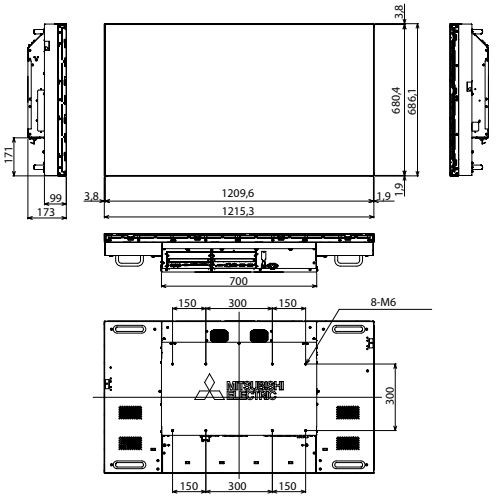
70HEF



L46XM



L55HM



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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