Screen size		60" diagonal size (1218mm x 913mm)					
Abbreviated model name		60PH	60PHF	60XH	60XHF	60XL	60XLF
Native resolution		SXGA+ (1400 x 1050 pixels)		XGA (1024 x 768 pixels)			
Accessibility		Rear	Front	Rear	Front	Rear	Front
Technology		DLP™ technology / DarkChip3™ / BrilliantColor™					
Brightness	Bright mode	800cd/m² (typ.)					
	Normal mode	700cd/m² (typ.)					
Viewability angle	Horizontal	180° (1/2 gain ±36°)					
	Vertical	60° (1/2 gain ±10°)					
Contrast ratio		2400:1 (typ.)		2200:1 (typ.)			
Screen to screen gap		0.2 - 1.5mm (*1)	1.0 - 2.5mm (*2)	0.2 - 1.5mm (*1)	1.0 - 2.5mm (*2)	0.2 - 1.5mm (*1)	1.0 - 2.5mm (*2)
Lamp system	Lamp power	132W/150W					
	Average lifetime	10,000hrs (normal mode) / 6,000hrs (bright mode)(*3)					
	Lamp switching time	1.0sec				–	
	Lamp changer system	O				–	
Key parts average lifetime	DLP™chip	100,000hrs					
	Colour wheel	100,000hrs					
	Cooling fan	100,000hrs					
Control signal input		LAN: RJ45 x1 (10 BASE-T/100 BASE-TX)					
		RS-232C: D-sub 9 pins x1					
		Mitsubishi Electric original control link: D-sub 9 pins x2					
		Wire remote: F3.5Jack x1					
		IR receiver					
Input board slot for optional input board		3 slots					
Power consumption		250W (at 132W lamp power) 280W (at 150W lamp power)		230W (at 132W lamp power) 260W (at 150W lamp power)			
AC input voltage		AC 100-240V ±10%, 50/60Hz ±1Hz					
Operation environment	Temperature	10°C-35°C	10°C-30°C	10°C-35°C	10°C-30°C	10°C-35°C	10°C-30°C
	Humidity	20%-80% non-condensing					
Weight		88kg / 194lbs	94kg / 207lbs	88kg / 194lbs	94kg / 207lbs	87kg / 192lbs	93kg / 205lbs
Model number	Engine	VS-PH70U		VS-XH70U		VS-XL70U	
	Cabinet	S-6070CA	S-6070CAF	S-6070CA	S-6070CAF	S-6070CA	S-6070CAF
	Screen	SC-6070U	SC-6070UF	SC-6070U	SC-6070UF	SC-6070U	SC-6070UF

(*1) Depending on configuration and environment. 1.5mm recommended for large walls to allow for expansion due to humidity.
(*2) Depending on configuration and environment. 2.5mm recommended for large walls to allow for expansion due to humidity.
(*3) The average lamp life is a reference value advised by the lamp manufacturer, not guaranteed.

Optional Black Bead Screen upon special request

Abbreviated model name with optional Black Bead Screen		60PHB	60PHFB	60XHB	60XHFB	60XLB	60XLFB
Model number for optional Black Bead Screen		SC-6070B	SC-6070BF	SC-6070B	SC-6070BF	SC-6070B	SC-6070BF
Brightness with optional Black Bead Screen	Bright mode	180cd/ m² (typ)					
	Normal mode	160cd/ m² (typ)					
Viewability angle with optional Black Bead Screen	Horizontal	180° (1/2 gain ±35°)					
	Vertical	180° (1/2 gain ±35°)					

Analog RGB input board

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

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
Signal format		TMDS
Functions		Image scaling (shrink and zoom) Frame rate conversion

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Video input board

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

Model number		VC-B70DC
Signal input terminal		Analog RGB: HD D-sub 15 pins x1
		Digital RGB: DVI-D x1
		Analog video: 3BNC x1
Signal output terminal		Digital RGB: DVI-D x1 (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 panels)

SDI input board

Model number	VC-B70SD1
Signal input terminal	HD-SDI: BNC x1
Input signals	HD-SDI(SMPTE 292M)/SD-SDI(SMPTE 259M-C)
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

MITSUBISHI ELECTRIC CORPORATION
HEAD OFFICE : TOKYO BLDG., 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN

L-188-9-C8329-C KYO 0909 Printed in Japan(MDOC)

Revised publication, effective Sep. 2009
Superseding publication L-188-9-C8329-A Jun. 2009
Specifications are subject to change without notice.

Changes for the Better

MITSUBISHI ELECTRIC

Display Wall

70 Seventy Series:

60" Display Wall Cubes

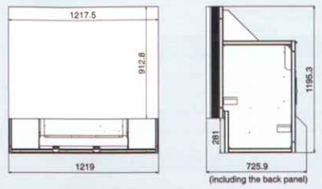
PICTURE BY DLP TEXAS INSTRUMENTS

Originality, Expertise & Innovation ~ Setting Global Standards for Display Wall Systems with Smart 7 Concept

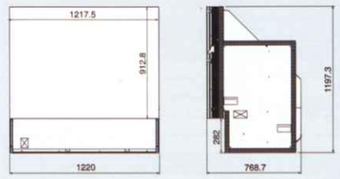
One of the first manufacturers to introduce display wallcubes using DLP™ technology in 1997, Mitsubishi Electric has a long history and extensive experience in the production of display wall systems.
Their popularity continues to grow among customers and partners, with more than 35,000 display wall units installed in countries around the world to date.

A leading product of our 7th-generation solutions, the 70 Series incorporates the latest cutting-edge technologies to ensure the delivery of superior picture quality and reliability; maintaining the excellent quality synonymous with the Mitsubishi Electric name.

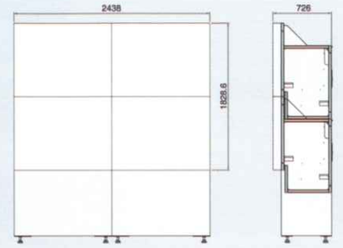
■ Single cube (Rear maintenance cube)



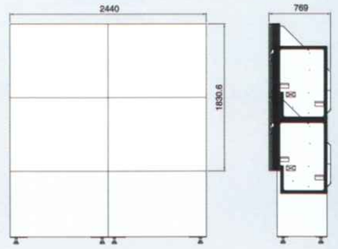
■ Single cube (Front maintenance cube)



■ 2x2 multi screen configuration (Rear maintenance cube)



■ 2x2 multi screen configuration (Front maintenance cube)



Intelligence

Advanced Smart Lamp

- Automatic colour adjustment after replacing the lamp
- A lamp switch function which detects the fading brightness of the lamp at the end of its service life
- A scheduled lamp switch function for alternate use of two lamps
- Quick lamp swap (less than 1 sec) with a fast rotating mirror to minimize the lamp downtime

Colour Space Control

- Primary colour adjustment for consistent colour blending and brilliance uniformity for multi-screen configurations

Digital Gradation Circuit

- Sharp,vivid images from edge to edge on multi-screen configurations ensured by uniform brightness distribution across the screen

Flexibility

Tailor-made System

- Common cabinet and screen for SXGA+ and XGA (upgradeable at a small additional cost)
- Mitsubishi Electric100% front access and rear access versions
- The flexibility to configure the system according to specific needs with three optional input ports

Internal Processing

Built-in Processor

- Up to four windows + 1 background per panel (up to 6 windows in the case of no background image)
- Windows of any size across the entire wall
- User-friendly graphical user interface, Mitsubishi Electric's D-Wall software suite

Auto-balancing

Dynamic Colour & Brightness Balancing

- Three built-in sensors (one for each primary colour)
- Automatic colour and brightness balancing over the entire display for long periods of operation
- No need for an external computer

Easy Set-up

Auto-tuning

- Auto-geometry function as the result of extensive R&D work in image software processing

Full Front Installation and Maintenance Capability

- No need to have maintenance space behind the display wall with 100% front access versions

Durability

Advanced Smart Colour Wheel

- Automatic colour adjustments after replacement of the colour wheel
- 10-year service life

Redundancy

Smart Switch

- Signal redundancy for mission-critical applications