



Screen size	67" diagonal size (1359mm x 1019mm)						80" diagonal size (1600mm x 1200mm)
Abbreviated model name	67PH	67PHF	67XH	67XF	67XL	67XLF	80PH
Native resolution	SXGA+ (1400 x 1050 pixels)			XGA (1024 x 768 pixels)			SXGA+ (1400 x 1050 pixels)
Accessibility	Rear	Front	Rear	Front	Rear	Front	Rear
Technology	DLP™ technology / DarkChip3™ / BrilliantColor™						
Brightness	Bright mode			640cd/m² (typ.)			150cd/m² (typ.)
	Normal mode			560cd/m² (typ.)			130cd/m² (typ.)
Viewability angle	Horizontal			178° (1/2 gain ±35°)			178° (1/2 gain ±35°)
	Vertical			60° (1/2 gain ±10°)			178° (1/2 gain ±35°)
Contrast ratio	2400:1 (typ.)			2200:1 (typ.)			2400:1 (typ.)
Screen to screen gap	0.2 - 2.0mm (*1)	1.0 - 3.0mm (*2)	0.2 - 2.0mm (*1)	1.0 - 3.0mm (*2)	0.2 - 2.0mm (*1)	1.0 - 3.0mm (*2)	0.2 - 3.0mm (*2)
Lamp system	Lamp power						
	132W/150W			156W/180W			
	Average lifetime						
	10,000hrs (normal mode) / 6,000hrs (bright mode) (*3)			6,000hrs (normal mode) / 4,000hrs (bright mode) (*4)			
Key parts average lifetime	Lamp switching time						
	1.0sec			-			
	Lamp changer system						
	○			○			
Control signal input	DLP™ chip						
	100,000hrs			100,000hrs			
	Colour wheel						
	100,000hrs			100,000hrs			
Input board slot for optional input board	LAN: RJ45 x1 (10 BASE-T/100 BASE-TX)						
	RS232C: Dsub 9 pins x1						
	Mitsubishi Electric original control link: D-sub 9 pins x2						
	Wire remote: F3.5jack x1						
Power consumption	250W (at 132W lamp power)			230W (at 132W lamp power)			300W (at 156W lamp power)
	280W (at 150W lamp power)			260W (at 150W lamp power)			330W (at 180W 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 - 30°C	10°C - 35°C
Weight	Humidity						
	20%~80% noncondensing						
Model number	Engine		VS-PH70U		VS-XL70U		VS-PH75U
	Cabinet		S-6770CAF		S-6770CAF		S-8070CAF
	Screen		SC-6770U		SC-6770U		SC-8070U
	All-in-one		VS-67PH70U		VS-67XH70U		VS-67XL70U

(\*1) Depending on configuration and environment, 2.0mm recommended for large walls to allow for expansion due to humidity.  
 (\*2) Depending on configuration and environment, 3.0mm 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.  
 (\*4) The average lamp life is an average value that we obtained as a result of our original verification. This value is a reference value, not guaranteed.

**Optional Black Bead Screen upon special request**

Abbreviated model name with optional Black Bead Screen	67PHFB	67PHFB	67XHFB	67XHFB	67XLFB	67XLFB
Model number for optional Black Bead Screen	SC-6770BF	SC-6770BF	SC-6770BF	SC-6770BF	SC-6770BF	SC-6770BF
Brightness with optional Black Bead Screen	Bright mode					
	150cd/m² (typ.)					
Viewability angle with optional Black Bead Screen	Normal mode					
	130cd/m² (typ.)					
Viewability angle with optional Black Bead Screen	Horizontal			178° (1/2 gain ±35°)		
	Vertical			178° (1/2 gain ±35°)		

**Analog RGB input board**

Model number	VCB70G2
Signal input terminal (Analog RGB)	5BNC x1, HD Dsub 15 pins x1
RGB input scanning frequency	Signal resolutions
	VGA (640 x 480) - WUXGA (1920 x 1200)
Pixel clock rate	Horizontal
	31.5kHz - 92kHz
Functions	Vertical
	49Hz - 85Hz
Functions	25MHz - 162MHz
	Image scaling (shrink and zoom) Frame rate conversion

**Digital RGB input board**

Model number	VCB70D2
Signal input terminal (Digital RGB)	DVID x2
RGB input scanning frequency	Signal resolutions
	VGA (640 x 480) - WUXGA (1920 x 1200)
Pixel clock rate	Horizontal
	31.5kHz - 92kHz
Functions	Vertical
	49Hz - 85Hz
Functions	25MHz - 162MHz
	TMDS Image scaling (shrink and zoom) Frame rate conversion

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**Video input board**

Model number	VCB70V2
Signal input terminal (Analog video)	3BNC x2
Analog video input signals	NTSC, NTSC4.43, PAL, PALM, PALN, PAL60, SECAM
Functions	Image scaling (shrink and zoom) Frame rate conversion

**Daisy-chain board**

Model number	VCB70DC
Signal input terminal	Analog RGB: HD D-sub 15 pins x1 Digital RGB: DVID x1 Analog video: 3BNC x1
Signal output terminal	Digital RGB, DVID x1 (for daisychain use only)
RGB input scanning frequency	Signal resolutions
	VGA (640 x 480) - WUXGA (1920 x 1200)
Pixel clock rate	Horizontal
	31.5kHz - 92kHz
Functions	Vertical
	49Hz - 85Hz
Functions	NTSC, NTSC4.43, PAL, PALM, PALN, PAL60, SECAM
	25MHz - 162MHz Image scaling (shrink and zoom) Frame rate conversion Daisychain (up to 16 panels)

**SDI input board**

Model number	VCB70SD1
Signal input terminal	HD-SDI: BNC x1
Input signals	HD-SDI (SMPE 292M) / SD-SDI (SMPE 259M-C)
Signal output terminal	HD-SDI: BNC x1 (for through output)
Gen Lock input terminal	BNC x1
Functions	Image scaling (shrink and zoom) Frame rate conversion



**70 Seventy Series:**

**67" / 80" Display Wall Cubes**

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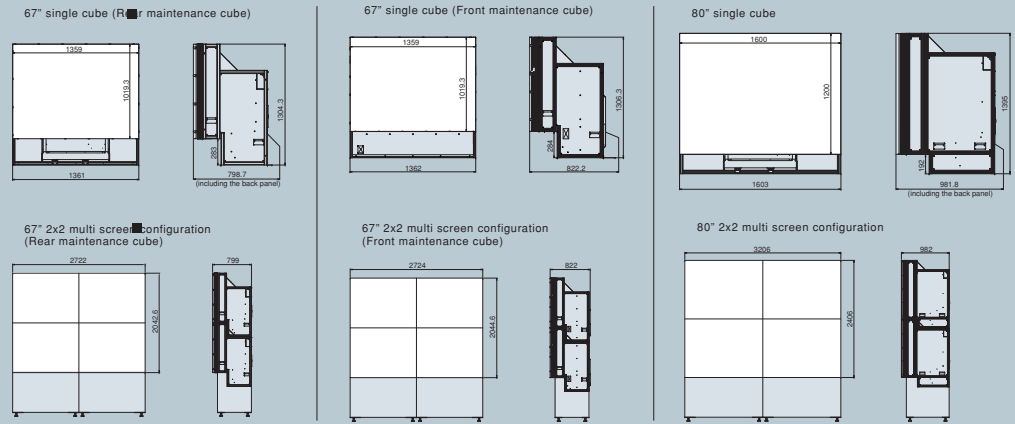


# Originality, Expertise & Innovation ~ Setting Global Standards for Display Wall Systems with Smart 7 Concept

One of the first manufacturers to introduce display wall cubes 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.



## 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 minimise 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 Electric 100% 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