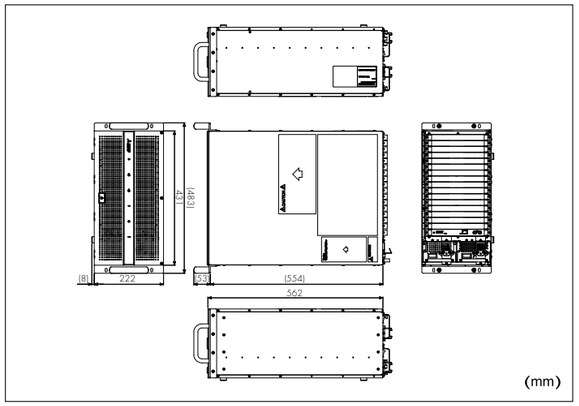
VC-MK4000 (Base unit)

Input/output board slots	Input board slot x8 (For VC-B4000G4 and/or VC-B4000V4)	
	Output board slot x8 (For VC-B4000M)	
Control terminals	Ethernet (10 Base-T / 100 Base-TX) terminal: RJ45 x 1	
	External synchronous signal input terminal: BNC x 1	
	External synchronous signal output terminal: BNC x 1	
Functions	Input signals: 32 max. (RGB signals and/or video signals) Output signals: 16 max. Overlay windows: 64 max. 32 x 64 matrix switching function. Thumbnail image output function. Hot swappable input board and output board.	
Monitor function	Power monitor, Fan monitor Temperature monitor	
Power unit	Hot swappable redundancy dual front-end power supply units.	
Cooling fan	Hot swappable redundancy cooling fans.	
Voltage range	AC100 – 240V 50 / 60Hz	
Power consumption	680W, 6.8A@100V – 2.8A@240V 11W@ Stand-by state	
Thermal dissipation	584.8kcal/h (2322BTU/h)	
Dimensions	431mm / 17.0" (W) x 222mm / 8.7" (H) x 562mm / 22.1" (D) (excluding protrusions)	
Weight	20kg / 44lbs (Base unit)	
Packing dimensions	620mm / 24.4" (W) x 370mm / 14.6" (H) x 840mm / 33.1" (D)	
Packing weight	25kg / 55lbs	
Accessories	User's Manual, CD-ROM	
Operating condition	10 – 40°C (50°F – 104°F), 20 – 80 % Non-condensing	
Storage condition	-20 – 50°C (-4°F – 122°F), 20 – 80 % Non-condensing	
Regulations	Safety approvals	UL60950-1, CSA22.2No.60950-1, EN60950-1 K60950-1, AS60950-1
	EMC	FCC part15 Subpart B Class A ICES-003 Issue No.4 Class A EN55022 Class A, EN55024 EN61000-3-2, EN61000-3-3, EN62311 K00022 Class A, K00024 AS/NZS CISPR 22 Class A VCCI Class A, JIS C 61000-3-2
Options	Power cord (North America) :JC-PC3MUS Power cord (Europe) :JC-PC3ME Power cord (China) :JC-PC3MC Power cord (Japan) :JC-PC3MJ	
	Control software: D-Wall control	



(mm)

eco Changes 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.

VC-B4000M (Output board)

Base input signals	Input signals	In 4 overlay windows mode: 2 inputs In 8 overlay windows mode: 1 input
	Terminals	DVI – D x 2
	Digital input signals	Resolution: 640 x 480 pixels – 1920 x 1200 pixels Format: RGB Non-interlace Horizontal frequency: 31.5 – 92.0 kHz Vertical frequency: 49 –85Hz Pixel clock rate: 25 MHz – 162 MHz Signal format: TMDS
Overlay output signals	Output signals	In 4 overlay windows mode: 2 outputs In 8 overlay windows mode: 1 output
	Terminals	DVI – I x 2
	Analog output signals	Resolution: 640 x 480 pixels – 1920 x 1200 pixels Format: RGB Non-interlace Horizontal frequency: 31.5 – 75 kHz Vertical frequency: 49 – 60Hz Pixel clock rate: 25 MHz – 162 MHz RGB: 0.7Vp-p positive / 75Ω Synchronous: TTL level negative / 75Ω
	Digital output signals	Resolution: 640 x 480 pixels – 1920 x 1200 pixels Format: RGB Non-interlace Horizontal frequency: 31.5 – 75 kHz Vertical frequency: 49 – 60Hz Pixel clock rate: 25 MHz – 162 MHz Signal format: TMDS
	Other	Maximum overlay windows: 8 windows or 4 windows / output
Dimensions	205mm / 8.1" (W) x 19mm / 0.7" (H) x 302mm / 11.9" (D) (excluding protrusions)	
Weight	0.5kg / 1.1lbs	
Packing dimensions	250mm / 9.8" (W) x 50mm / 2.0" (H) x 360mm / 14.2" (D)	
Packing weight	0.8kg / 1.8lbs	

VC-B4000G4 (RGB input board)

RGB inputs	RGB Analog / Digital : 4 inputs
RGB input terminals	DVI - I x 4
RGB Analog input signals	Resolution: 640 x 480 pixels – 1920 x 1200 pixels Format: RGB, Y/Pb/Pr, Y/Cb/Cr interlace/Non-interlace Horizontal frequency: 31.5 – 92 kHz Vertical frequency: 49 – 85Hz Pixel clock rate: 25 MHz – 162 MHz RGB: 0.7Vp-p / 75Ω Synchronous: 3 / 4 / 5 line formats
RGB Digital input signals	Resolution: 640 x 480 pixels – 1920 x 1200 pixels Format: RGB, Y/Pb/Pr, Y/Cb/Cr interlace/Non-interlace Horizontal frequency: 31.5 – 92 kHz Vertical frequency: 49 – 85Hz Pixel clock rate: 25 MHz – 162 MHz Signal format: TMDS
Dimensions	205mm / 8.1" (W) x 19mm / 0.7" (H) x 302mm / 11.9" (D) (excluding protrusions)
Weight	0.5kg / 1.1lbs
Packing dimensions	250mm / 9.8" (W) x 50mm / 2.0" (H) x 360mm / 14.2" (D)
Packing weight	0.8kg / 1.8lbs

VC-B4000V4 (Video input board)

Video inputs	Composite Video or Y/C Video: 4 inputs
Video input terminals	2BNC x 4
Video input signal formats	NTSC, NTSC 4.43 PAL, PAL – M, PAL – N, PAL – 60, SECAM
Dimensions	205mm / 8.1" (W) x 19mm / 0.7" (H) x 302mm / 11.9" (D) (excluding protrusions)
Weight	0.5kg / 1.1lbs
Packing dimensions	250mm / 9.8" (W) x 50mm / 2.0" (H) x 360mm / 14.2" (D)
Packing weight	0.8kg / 1.8lbs

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MITSUBISHI ELECTRIC
Changes for the Better

for a greener tomorrow

Display Wall Processor

VC-MK4000

Real Time Image Processor

Mitsubishi Electric
Real-time Image Processor

Mitsubishi Electric's VC-MK4000 system is the ideal solution for mission-critical command & control rooms.
With high picture quality and no dropped frames (real-time),
customers do not miss any critical information on display wall systems.

VC-MK4000

- >High-resolution output (WUXGA)
- >No window frames dropped (real-time)
- >Superior picture quality
- >High reliability

High-resolution Output

VC-MK4000 displays images with superb resolution up to WUXGA (1920x1200) for computer signals, and up to 1080P (1920x1080) for video signals.

No Dropped Frames (Real-time)

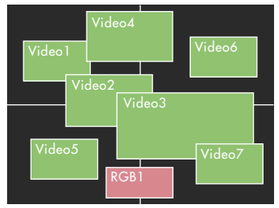
Thanks to the dedicated and ultrahigh-bandwidth bus system installed in the VC-MK4000, images are displayed without any dropped frames (real-time). The number of windows and type of signal (RGB or video) do not affect the refresh rate of original pictures.

Window Overlay Modes

The VC-MK4000 has two window overlay modes for use according to customer needs.

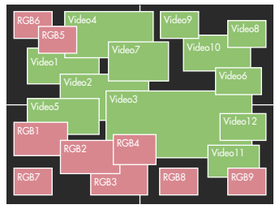
Four-window Overlay Mode
(Up to 16 Display Outputs)

Four picture windows can be displayed per screen.



Eight-window Overlay Mode
(Up to 8 Display Outputs)

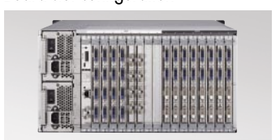
Eight picture windows can be displayed per screen.



Use 24/7, 365 Days per Year for Mission Critical Applications

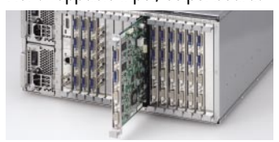
With hot-swappable redundant power supplies and input/output boards, the VC-MK4000 can operate continuously without downtime in the case of component failure. It is also equipped with hot-swappable redundant cooling fans that have a fan control system (the average life time for each cooling fan is 100,000 hours).

Board slot configuration



8 slots are available for each output or input.

Hot-swappable input/output boards

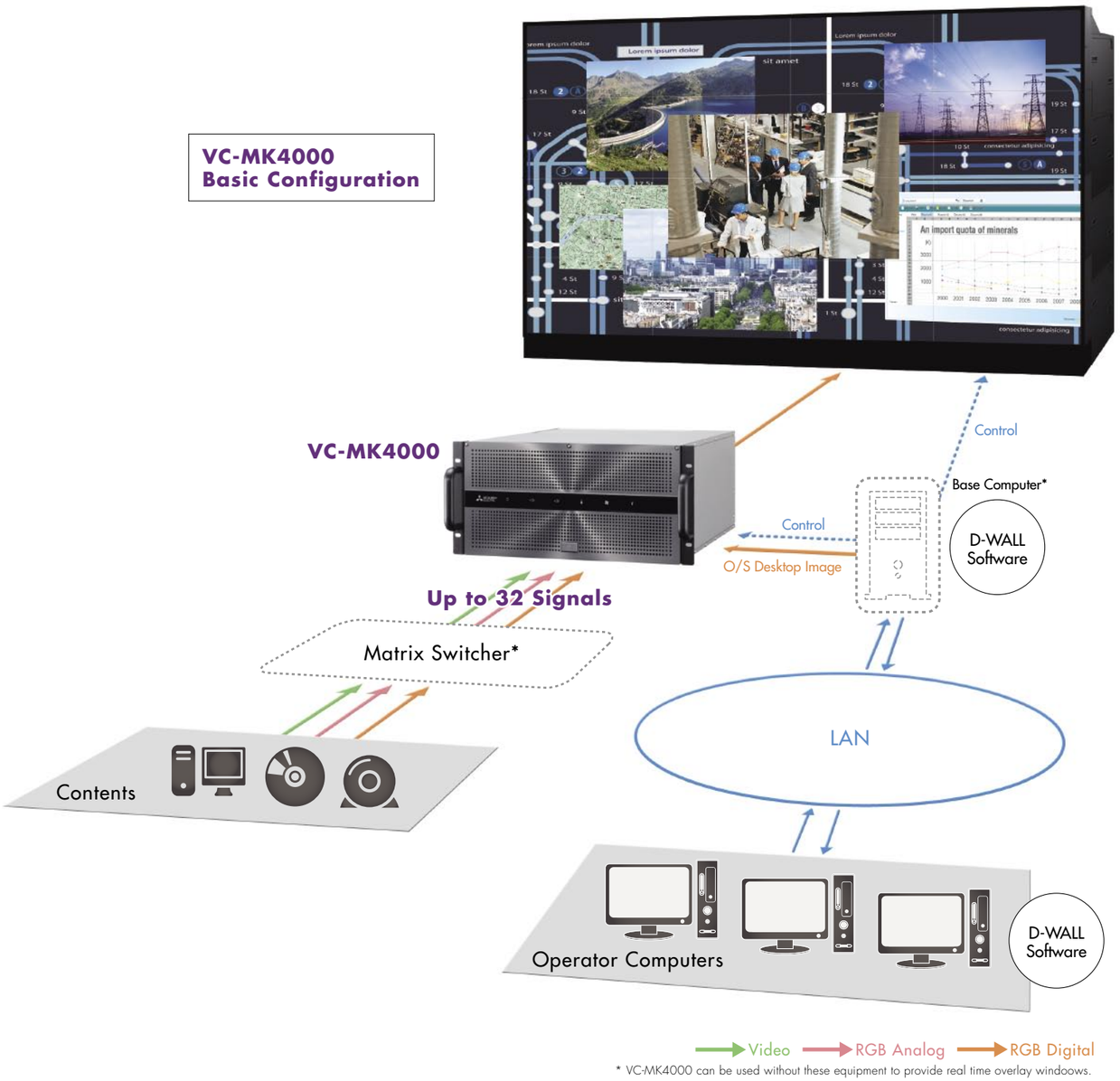


In case of a failure, input/output boards can be replaced without stopping operation.

Hot-swappable redundant power supplies

2 power supplies are equipped. In case of a failure, 1 power supply can be replaced without stopping operation.VC-MK4000 can function with ony 1 power supply if necessary.

VC-MK4000 Basic Configuration



* VC-MK4000 can be used without these equipment to provide real time overlay windoows.

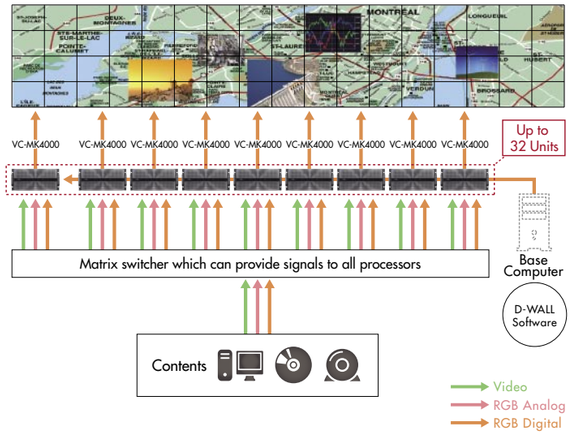
Constantly Up-to-date, Powerful Base Computer

In addition to the VC-MK4000 picture windows, for customers who prefer to work with a visible operating system, Mitsubishi Electric recommends an up-to-date, powerful base computer* tailored to customer needs. When the time comes to improve the total performance of a display wall system, this base computer section can be upgraded at less cost (no need to exchange the VC-MK4000).

*Computer/Server with output graphic cards

Flexible System Expansion Capability

The VC-MK4000 can be connected to up to nine units, and a total of 68 display wall cubes can be controlled as one display wall. The system can handle eight overlay windows per screen, and up to 32 overlay windows as a display wall system.



D-WALL Software

The D-WALL Software manages all aspects of setup, configuration, and daily use of VC-MK4000 and Mitsubishi Electric's display wall products. The software consists of 2 components, Server and Client. The D-WALL Server software controls all the devices in the display wall system including the Base Computer, and D-WALL Client can be installed in operator computers providing operators with an integrated, intuitive and reliable user interface.