

Product Specification

DLP™ XGA Data Wall Cube

Projection Cube Unit: VS-67XL20U-SN
67" Screen Unit: SC-067XL20U

Combination model name:

Model: VS-67XL20U

Information in this document is subject to change without notice.

Mitsubishi Electric Corporation
Kyoto Works

Date: July 07,2003

VS-67XL20U SPECIFICATIONS

VS-67XL20U is the combination model name of VS-67XL20-SN (Cube Unit) and SC-067XL20U (Screen Unit).

(1) Image panel

Type	DLP™ (0.7" DMD™ 1 chip)
Resolution	1024 x 768 pixels

(2) Electric specification

Signal input terminal		Analog RGB: 5BNC (RGBHV) x1 Digital RGB: DVI-D x1
Input scanning frequency	Signal resolution	VGA (640x480) – SXGA (1280x1024)
	Horizontal	31.5kHz – 64kHz SYNC Width: > 0.5 μ s BP Width: > 1.0 μ s No interlace signals
	Vertical	49Hz- 61Hz SYNC Width: > 2Lines BP Width: > 10Lines FP Width: > 1Lines
Pixel clock rate		25 – 115MHz
Supported signals		640 x 480 @60Hz, 800 x 600 @56Hz, 800 x 600 @60Hz 1024 x 768 @60Hz, 1280 x 960 @60Hz, 1280 x 1024 @60Hz
Analog RGB video input	Signal	Video: 0.7V _{P-P} positive / 75 Ω Synchronous: TTL level (positive/negative) High Level: 2.5V-5.0V Low Level : 0V-0.5V Sync On Green: Video: 0.7V _{P-P} positive Synchronous: 0.3V _{P-P} negative
Digital RGB video input	Signal	TMDS (DVI-D Connector)
Control signal input		RS-232C: D-Sub 9 pins
		D-Sub 9 pins x 2 (input, output) Mitsubishi original control link
		Wire remote : F3.5Jack
		IR Receiver
SET UP switch		8 bit x 1
Function		Color space control, Digital gradation circuit
Light source		Ultra-high pressure mercury lamp 100W/120W
Voltage range		AC 100 – 240V +/-10% , 50/ 60Hz +/-1Hz
Power consumption (100/240V)		195/195 W
Operating current (100/240V)		2.5/1.5 Amp.
Inrush current (100/240V)		30/60 Amp.

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(3) Optical specification

Screen size		67" Diagonal size (1359mm x 1019.3mm)
Brightness (at full-bit on, screen center)		Bright mode: 500cd/m ² (typ.) 146ft-L (typ.) Normal mode: 400cd/m ² (typ.) 117ft-L (typ.)
Light output		Bright mode: 700ANSI Lumen (typ.) Normal mode: 560ANSI Lumen (typ.)
Contrast ratio		1300:1 (typ.)
Brightness uniformity		85% at 90% image height (typ.)
Viewing angle		Horizontal: +/- 60deg. (typ.) Vertical: +/- 25deg. (typ.)
Geometry distortion		0.2% (typ.)
Color primaries	White	u' = 0.180, v' = 0.462
	Red	u' = 0.446, v' = 0.528
	Green	u' = 0.135, v' = 0.565
	Blue	u' = 0.165, v' = 0.180

(4) Mechanical specification (Refer to attached Fig.)

Dimensions	Width	1361mm	
	Height	1189mm	
	Depth	780mm	
Weight		91Kg	
Packing dimensions		Cube Unit	Screen Unit
	Width	1450	1546
	Height	1376	1238
	Depth	840	175
Packing Weight		104Kg	26Kg
Accessories		User's manual Power cord for North America Power cord for Europe Cube connection control cable Parts for connecting cubes	

(5) Environment

Temperature and humidity Condition at operation	10°C – 35°C 20% – 80% non condensing
Temperature and humidity Condition at Storage	-20°C – 50°C 20% – 80% non condensing

(6) Safety approval

Safety approval	UL60950, CSA22.2No.60950, EN60950 approved by UL
EMC	FCC part15 Class A Industry Canada Class A EN55022 Class A, EN55024 EN61000-3-2, EN61000-3-3

Note:

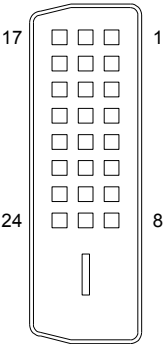
In order to satisfy the safety approval, VS-67XL20U-SN needs to be used with SC-067XL20U or the screen unit approved by Mitsubishi Electric.

(7) Options

Remote control unit	R-FD10TX
Scaling input board	VC-B20KA
Video input board	VC-B20KV
Spare lamp unit	S-XL20LA

DIGITAL SIGNAL INPUT TERMINAL

Connect to the DIGITAL IN terminal using the DVI-D cable.



Pin No.	Signal	Pin No.	Signal
1	TMDS Data2-	13	NC
2	TMDS Data2+	14	+5V POWER
3	TMDS Data2 Shield	15	Ground(for +5V)
4	NC	16	Hot Plug Detect
5	NC	17	TMDS Data0-
6	DDC Clock	18	TMDS Data0+
7	DDC Data	19	TMDS Data0 Shield
8	NC	20	NC
9	TMDS Data1-	21	NC
10	TMDS Data1+	22	TMDS Clock Shield
11	TMDS Data1 Shield	23	TMDS Clock+
12	NC	24	TMDS Clock-

* NC : No Connection

Fig. 1: External dimensions (Unit: mm)

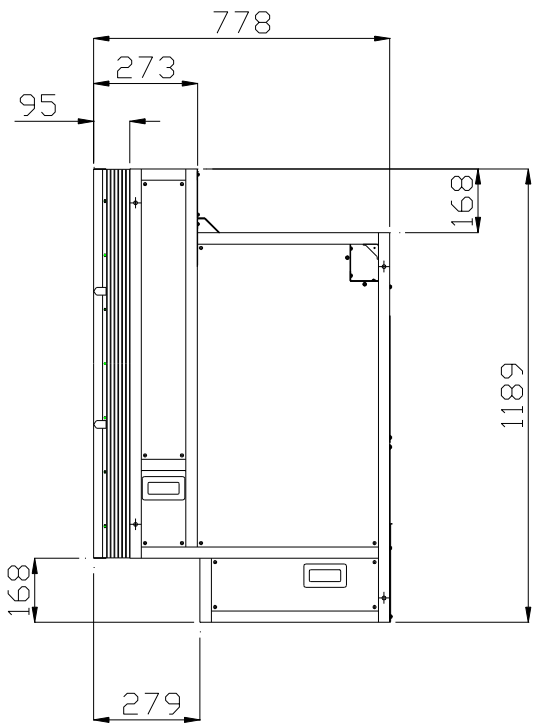
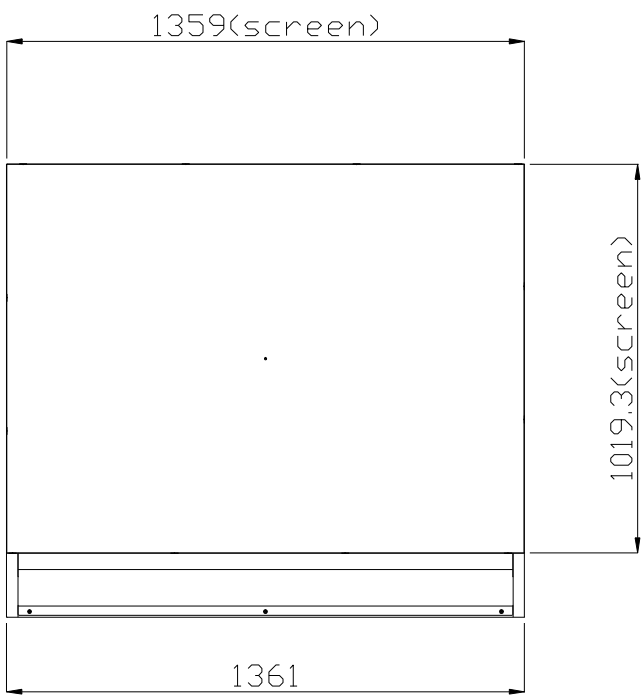
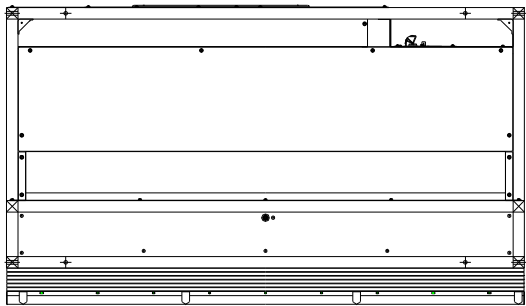
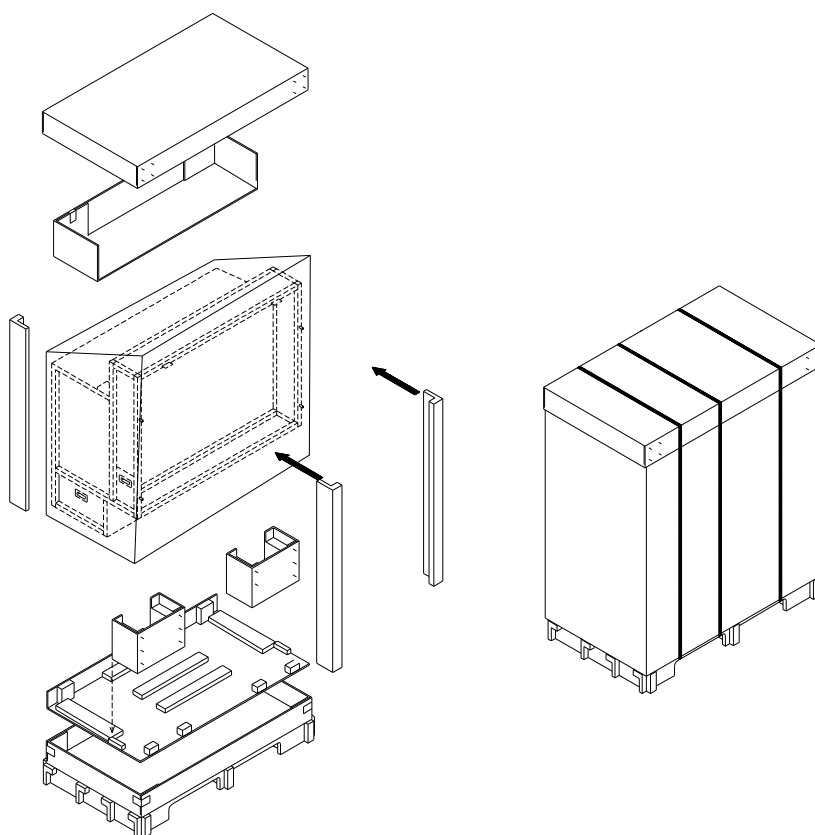


Fig. 2: Packing specification
[Cube unit: VS-67XL20U-SN]



[Screen unit: SC-067XL20U]

