

SXGA+ Engine

VS-PH40U Display Engine



- Includes optical unit and electrical chassis
- Designed for 67" to 84" screen sizes
- 200W UHP lamp
- Lamp changer
- Smart Lamp™ and Smart Colorwheel™
- Digital Color Space Control

IMAGE PANEL

Type	DLP™ technology (0.95" DMD 1 chip)
Resolution	SXGA+ Mode: 1400 x 1050 pixels SXGA Mode: 1280 x 1024 pixels

ELECTRICAL SPECIFICATIONS

Signal input terminal	Analog RGB: 5BNC (RGBHV) x1 Digital RGB: DVI-D x1
Input scanning frequency	VGA (640x480) – SXGA+ (1400x1050)
Signal resolution	
Horizontal	31.5kHz – 78kHz SYNC Width: > 0.5 μ s BP Width: > 1.0 μ s No interface signals
Vertical	49.5Hz – 85Hz SYNC Width: > 2 Lines BP Width: > 10 Lines FP Width: > 1 Line
Pixel clock rate	25 – 122MHz
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 Wired remote : F3.5 Jack IR Receiver
Input board slot	Input board slot for VC-B20KA/KV x 1
Function	Color space control, Digital gradation circuit Mechanical auto lamp changer unit, Smart lamp
Light source	200W ultra-high pressure mercury lamp
Voltage range	AC 100 – 240V +/- 10% , 50/ 60Hz +/- 1Hz
Power consumption (100/240V)	295/295 W
Operating current (100/240V)	3.1/2.0 Amp.
Inrush current (100/240V)	30/60 Amp.
Thermal dissipation	253.7k cal/h (1006.7 BTU/h)

OPTICAL SPECIFICATIONS SXGA+ MODE

	SXGA+ MODE	SXGA MODE
Light output	1300 ANSI Lumen (typ.)	1150 ANSI Lumen (typ.)
Diagonal image size	67" – 84"	67" – 84"
Throwing distance (Lens hood top - Screen)	67": 1005.7 +/- 31.4mm 70": 1052.6 +/- 32.8mm 84": 1272.2 +/- 39.4mm	67": 1076.5 +/- 33.5mm 70": 1126.7 +/- 35.0mm 84": 1361.5 +/- 42.1mm
Throw ratio (Exit pupil - Screen)/Screen width	0.769 (Nominal)	0.841 (Nominal)
Exit pupil – Lens hood top	41.2mm (Nominal)	41.2mm (Nominal)
Contrast ratio	1600:1 (typ.)	1600:1 (typ.)
Brightness uniformity	85% at 90% image height (typ.)	85% at 90% image height (typ.)

MECHANICAL SPECIFICATIONS

Dimensions	Optical unit	Circuit box
Width	23.6" (600mm)	8.5" (215mm)
Height	9.0" (230.3mm)	7.2" (184mm)
Depth	13.6" (344mm)	6.5" (165mm)
Weight	28.6 lbs. (13kg)	7.7 lbs. (3.5kg)

ENVIRONMENTAL SPECIFICATIONS

Temperature and humidity condition at operation	10°C – 40°C 20% – 80% non-condensing
Temperature and humidity condition at storage	-20°C – 50°C 20% – 80% non-condensing

SAFETY APPROVALS

Safety approvals	UL60950, CSA22.2 No.60950, EN60950, GB 4943
EMC	FCC part 15 Class A; Industry Canada Class A; EN55022 Class A, EN55024; EN61000-3-2; EN61000-3-3; GB 9254, GB17625.1

OPTIONS

Remote control unit	R-FD10TX
Scaling & video input board	VC-B20KA/KV
Spare lamp unit	S-PH40LA
6 axis adjuster	592 B892-10

6 Axis Adjuster
(Optional)



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