

SONY®

LCD Rear Projector KL-X9200M

The Sony KL-X9200M provides a bright, high-resolution true XGA (1024 × 768 dots) display of computer and video images on a large 50-inch screen. Thanks to a rear projection system, this projector is thin, lightweight and easy-to-handle. It is also simple to operate and delivers compelling presentations in almost any environment.



*Simulated picture

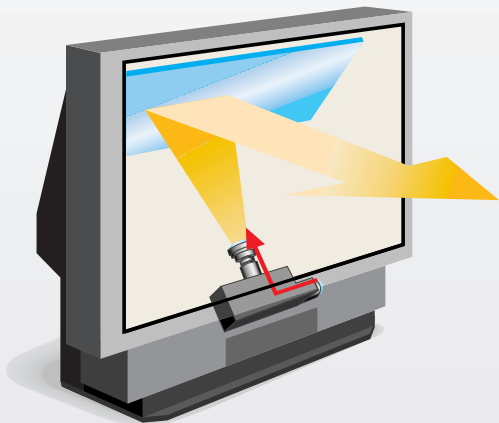
APPLICATIONS

- Presentations in conference rooms and other meeting places
- For use in video conferences
- As displays during events, and in showrooms and stores
- Providing information in public and commercial facilities
- Displaying images for educational purposes in schools and learning centres
- For use in simulations

Features

Lightweight, Thin, Easy-to-use Rear Projector

Although it has a large 50-inch screen, the KL-X9200M adopts a rear projection system that is thin and lightweight so that its compact body weighs just 45 kg and measures just 61 cm in depth. Stylishly designed, this attractive projector fits well into the modern office environment.



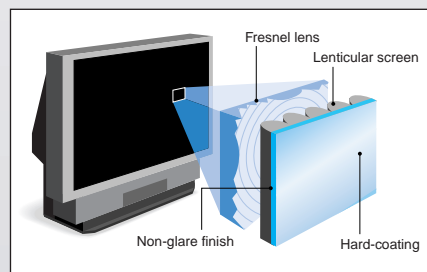
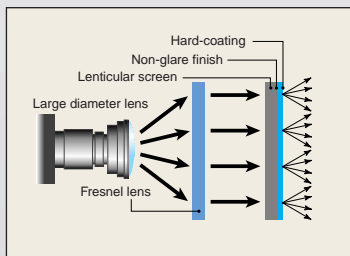
■ Rear projection system

High Brightness

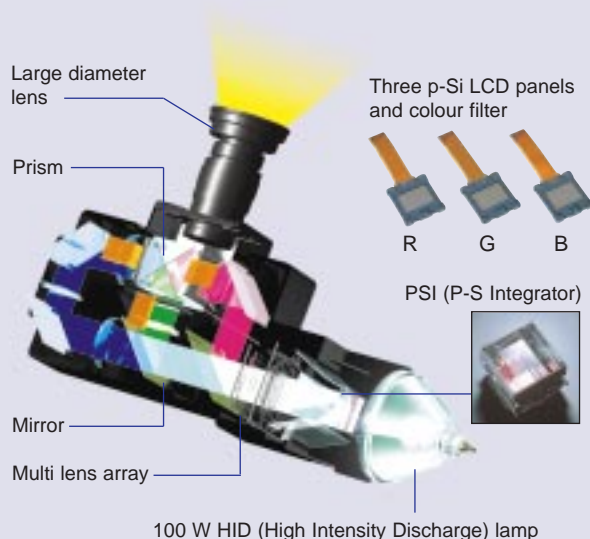
Light efficiency from the lamp is greatly improved by the PSI (P-S Integrator) incorporated in the KL-X9200M. In addition, a highly efficient multi-lens array gathers light from the PSI and provides uniform brightness across the entire screen. Low power consumption (220 W) and a longer lamp life are assured with unique Sony optical design technology.

High Performance Screen

The display of the KL-X9200M has a 3-layer, 2-sheet structure. It consists of a fresnel lens and a non-glare finished, hard-coated lenticular screen. These technologies contribute to higher brightness and higher contrast while maintaining strength and durability.



Optical unit for bright and clear pictures

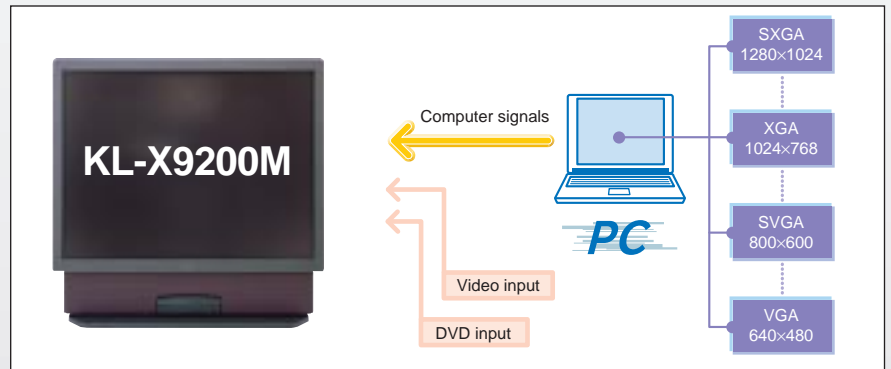


True XGA p-Si TFTs

The KL-X9200M uses three Sony-manufactured 1.3-inch XGA (1024 x768 pixels) p-Si TFT panels — one for each colour of R, G and B. This true XGA resolution clearly reproduces graphics and text.

LAP (Linear Array Processor)

The LAP automatically converts computer signals up to SXGA (1280 x1024 pixels)* and video signals (PAL/NTSC/SECAM/NTSC4.43/PAL-M) to XGA. Using high performance interpolation technology, the LAP automatically performs the optimum conversion for the image, while preserving the image of the original sources.



**If the original signal is an XGA signal, no conversion is performed.*

Digital Progressive Scan Technology

Digital Progressive Scan Technology provides a sharp, stable and solid picture within any refresh rate.

Three Dimensional Y/C Separation Circuit*

The KL-X9200M has a three-dimensional Y/C separation circuit, that effectively reduces cross colour that occurs in details of moving images.

**Only for the NTSC video signal.*

Variety of Inputs

On the front panel, two inputs (RGB + Audio/S video, Composite + Audio) are provided; on the rear panel, four inputs (RGB + Audio/S video, Composite + Audio (2)/Component) and two outputs (RGB + Audio/Composite + Audio) are provided.



■ Front panel



■ Rear panel

3D Speaker System

The KL-X9200M has a 3D speaker system which consists of two 5 W speakers for mid-range and treble, and one 15 W speaker for bass. This superb speaker system, together with a large dynamic 50-inch screen, makes presentations much more effective.



■ 3D speaker system

Easy Lamp Replacement

A unique Sony lamp cartridge mechanism allows easy lamp replacement from the front of the unit.



Multiple Language Support

The on-screen display is available in six different languages: English, French, German, Italian, Japanese and Spanish.

Specifications

Optical

LCD panel	1.3-inch p-Si TFT LCD, 2,359,296 pixels (786,432 pixels ×3)
Projection lens	11 elements (10 glass lenses) with anti-reflection coating, F 2.4/22
Lamp	100 W H.I.D. (High Intensity Discharge) lamp
Screen	Lenticular lens screen: 0.14 mm pitch Fresnel lens screen: 0.9 mm pitch Screen size: 50 inches, viewable area, measured diagonally Aspect ratio: 4:3
Brightness	350 nit (Screen centre, normally white)
Viewing angle	Vertical: ±30° Horizontal: ±65°

General

Resolution	RGB: 1024 ×768 dots Video: 750 TV lines
PC signal	fH: 24.8 – 85 kHz fV: 50 – 85 Hz
Scan converter	LAP (Linear Array Processor) ×3 Maximum dot clock: 130 MHz
Colour system	PAL/NTSC/SECAM/NTSC4.43/PAL-M
Speaker	5 W ×2 for mid. & high range, 15 W woofer
Power requirements	AC 100 to 240 V, 50/60 Hz
Power consumption	Max.: 220 W Standby: 4 W
Dimensions	1130(W) ×1090(H) × 610(D) mm (44 3/8 ×42 7/8 ×24 inches)
Mass	45 kg (106 lb 8 oz)
Operating temperature	0 to 40°C (32 to 104°F)
Operating humidity	35 to 85%

Input/Output

Front	
RGB IN	RGB: D-sub 15-pin Audio: Stereo mini jack
VIDEO IN	S video: Mini DIN 4-pin Video: Burst 0.286 Vp-p ±2 dB (NTSC), 75 Ω, 0.3 Vp-p ±2 dB (PAL), 75 Ω Audio: Phono type (×2) stereo, 500 mV rms, impedance > 47 kΩ
Rear	
RGB IN	RGB: D-sub 15-pin Audio: Phono type (×2) stereo, 500 mV rms, impedance > 47 kΩ
COMPONENT VIDEO IN	Component: Burst 0.286 Vp-p ±2 dB (NTSC), 75 Ω, 0.3 Vp-p ±2 dB (PAL), 75 Ω Audio: Phono type (×2) stereo, 500 mV rms, impedance > 47 kΩ
VIDEO IN (2)	S video: Mini DIN 4-pin Video: Burst 0.286 Vp-p ±2 dB (NTSC), 75 Ω, 0.3 Vp-p ±2 dB (PAL), 75 Ω Audio: Phono type (×2) stereo, 500 mV rms, impedance > 47 kΩ
RGB OUT	RGB: D-sub 15-pin Audio: Phono type (×2) stereo, 500 mV rms, impedance > 47 kΩ
VIDEO OUT	S video: Mini DIN 4-pin Video: Burst 0.286 Vp-p ±2 dB (NTSC), 75 Ω, 0.3 Vp-p ±2 dB (PAL), 75 Ω Audio: Phono type (×2) stereo, 500 mV rms, impedance > 47 kΩ
CONTROL	Control S IN/OUT

Safety Regulations

CE (LVD, EMC), TÜV-GS (EN60950), NEMKO, EN-61000-3-2, C-TICK, CPA

Supplied Accessories

Remote commander RM-902 (1), Size AA (R6) batteries (2), AC power cord (1), RGB signal cable (D-sub 15-pin to D-sub 15-pin) (1), HD D-sub 15-pin to HD D-sub 15-pin (male, w/o the #9 pin) adaptor (1), Macintosh® adaptor, Windows® monitor information disk (1), Macintosh utility disk (1), Brackets (2), Screws for brackets (2), Hexagon head wrench (1)

Preset Data of Input Signal

Preset #	Resolution	fH (kHz)	fV (Hz)	Graphics mode	H/V polarity
1	720 ×400	31.469	70.086	VGA mode 1	P/N
2	640 ×400	24.823	56.416	PC-9801 Normal	N/N
3	640 ×480	31.469	59.940	VGA mode 3	N/N
4	640 ×480	35.000	66.667	Macintosh 13"	N/N
5	640 ×480	37.861	72.809	VGA VESA 72 Hz	N/N
6	640 ×480	37.500	75.000	VGA VESA 75 Hz	N/N
7	640 ×480	43.269	85.008	VGA VESA 85 Hz	N/N
8	720 ×400	31.469	70.087	VGA mode 2	N/P
9	720 ×400	37.927	85.039	VGA VESA 85 Hz	N/P
10	800 ×600	35.156	56.250	SVGA VESA 56 Hz	P/P
11	800 ×600	37.879	60.317	SVGA VESA 60 Hz	P/P
12	800 ×600	48.077	72.188	SVGA VESA 72 Hz	P/P
13	800 ×600	46.875	75.000	SVGA VESA 75 Hz	P/P
14	800 ×600	53.674	85.061	SVGA VESA 85 Hz	P/P
15	832 ×624	49.727	74.553	Macintosh 16"	N/N
16	1024 ×768	35.522	43.479	XGA VESA 43 Hz	P/P
17	1024 ×768	48.363	60.004	XGA VESA 60 Hz	N/N
18	1024 ×768	56.476	70.069	XGA VESA 70 Hz	N/N
19	1024 ×768	60.023	75.029	XGA VESA 75 Hz	P/P
20	1024 ×768	60.241	74.927	Macintosh 19"	N/N
21	1024 ×768	68.677	84.997	XGA VESA 85 Hz	P/P
22	1152 ×864	67.500	75.000	SXGA VESA 75 Hz	P/P
23	1152 ×870	68.681	75.060	Macintosh 21"	N/N
24	1280 ×960	60.000	60.000	SXGA VESA 60 Hz	P/P
25	1280 ×1024	46.333	43.436	SXGA VESA 43 Hz	P/P
26	1280 ×1024	63.981	60.020	SXGA VESA 60 Hz	P/P
27	1280 ×1024	79.976	75.025	SXGA VESA 75 Hz	P/P

Optional Accessories

- XL-100E** Projector lamp unit for replacement
SU-9200 Projector stand



■ XL-100E

Dimensions



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