

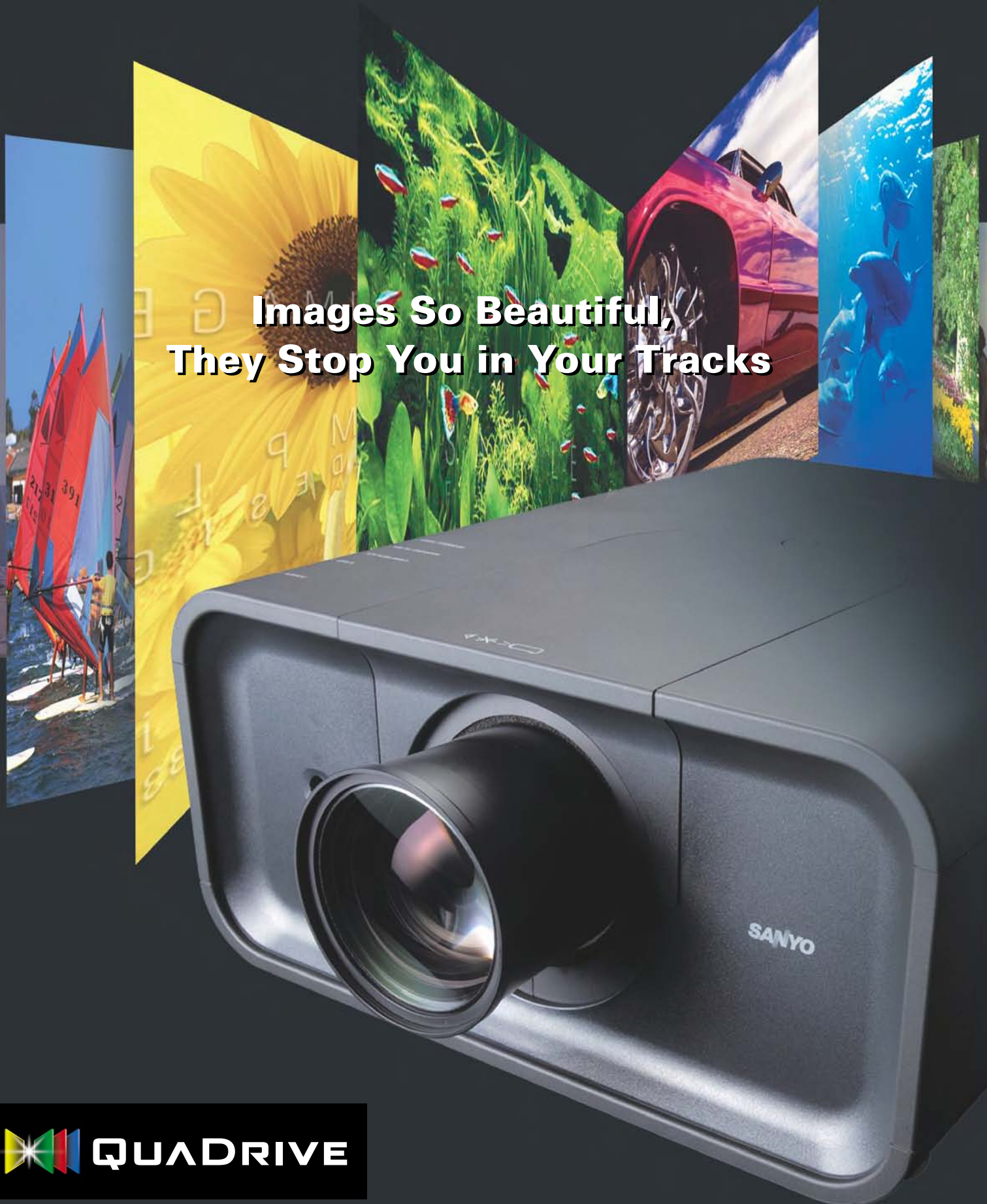
Think GAIA
For Life and the Earth

SANYO

XGA Multimedia Projector

PLC-XP200L

**Images So Beautiful,
They Stop You in Your Tracks**



 **QUADRIVE**

Applications – Projectors Suited to Every Needs



Showrooms and Exhibitions

A projector delivering true-to-life color images coupled with explanatory panels allow more dynamic presentations to be staged to achieve greater impact at events such as product introductions in showrooms or exhibition halls.



Advertising and Cinema-Adverts

Advertisement images with accurate color reproduction can win over new customers. For example, facial skin tones can be faithfully reproduced for a cosmetic ad.



Educational Use

LCD projectors are being increasingly used to show students more accurate colors in art classes of elementary schools.

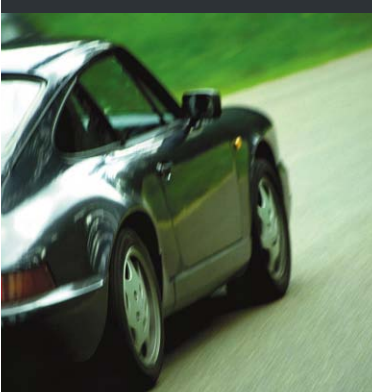


Product Planning for Design Divisions

In many cases, the design division of an automobile manufacturer uses projectors for design and simulation applications. These design divisions would prefer to use a LCD projector because the designers know a LCD ensures a faithful color reproduction.

Event and Amusement

Application to interactive attractions, such as projecting onto ceilings and floors in a shopping mall.

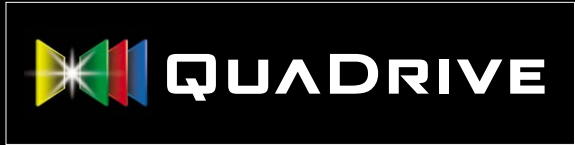


PLC-XP200L
XGA 7000 lumens



Advanced Technologies Designed for the Professional

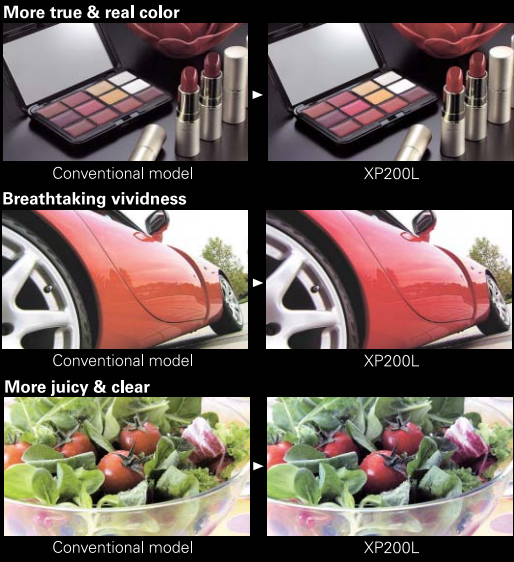
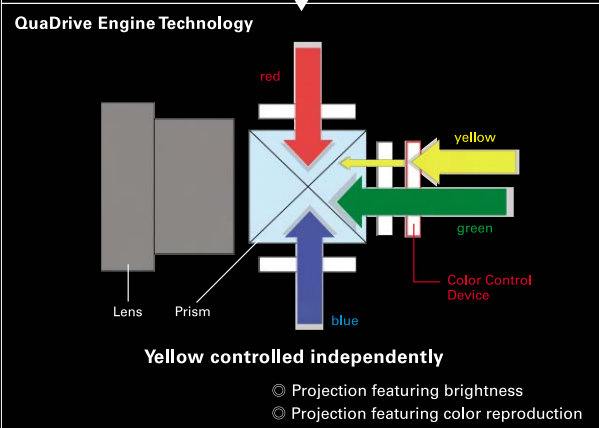
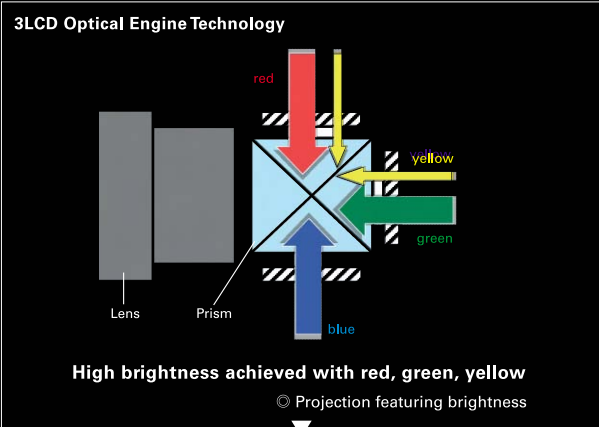
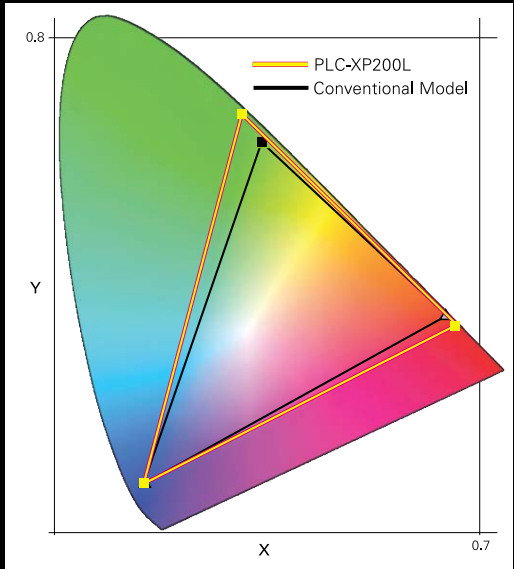
The stunning images produced by the QuaDrive engine will hold the attention of everyone in the room.



World's first*1 QuaDrive Engine

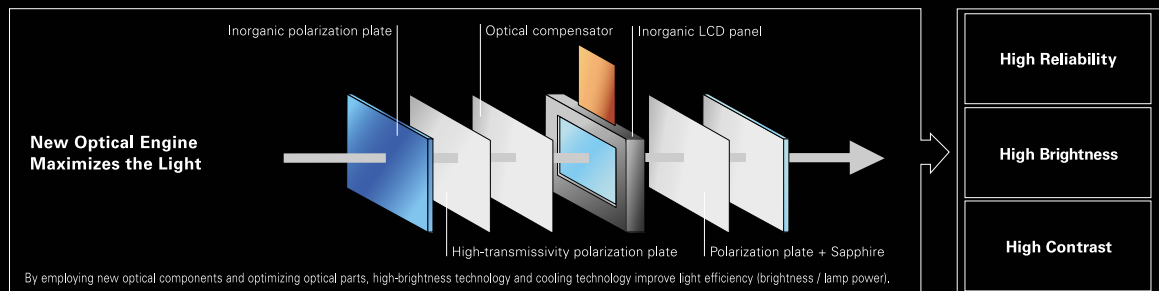
The world's first*1 "QuaDrive" optical engine in the XP200L is a newly developed and highly advanced version of the conventional 3LCD system, and features an additional Color Control Device. By controlling the amount of yellow light, the Color Control Device increases the level of color purity by approximately 20% compared with our previous model.*2 This gives images remarkable levels of both brightness and color.

*1 As of June 18, 2008 for projector *2 PLC-XP100L



New Optical Engine

We enhanced brightness by combining advanced optical components under optimal conditions. We also maximized cooling technology to increase light efficiency factors such as luminance and lamp output. Together, they achieve a high brightness level and low power consumption.



Higher Brightness and Superior Images

Class-Leading 7,000 Lumens Brightness Excels in Large-Screen Projection

A bright 330-watt lamp (NSHA measurement) gives the PLC-XP200L a full 7,000 lumens of brightness, the highest in its class.* This makes it ideal for use in large halls, conference rooms and classrooms, as well as in digital signage applications.

* For transmissive LCD projectors weighing 12 kg or less, as of July 4, 2007.



High Contrast Produces Superb Images with Crisp Blacks

Newly developed LCD panels work together with a high-contrast optical system to produce a contrast ratio of 2,200:1.

Realistic Image Reproduction with 10-Bit Signal Processing and a 12-Bit Gamma Circuit

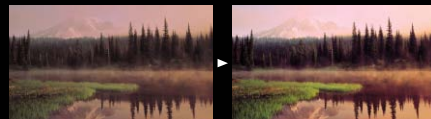
Images are powerfully expressed with approximately 1.07 billion colors, thanks to 10-bit (1,024-step gradation) digital processing for each of the red, green and blue signals. The 12-bit gamma IC also renders every detail and nuance contained in high-definition images.



Automatic Image Compensation with Auto Picture Control Capability

Dynamic Auto Gamma Processing

Achieving Impressive Contrast and Depth Enhancement: The PLC-XP200L brings the most appropriate contrast and sharpness to an image according to the image characteristics by optimizing the dynamic range of luminance signals and reflecting gamma setting and offset in a timely fashion. The result is a remarkable and outstanding depth in the image.



Conventional model

XP200L

Vertical and Horizontal Edge Enhancement Process Delivers Natural Sharpness

Minimizing granular noise and enhancing only image outlines, the PLC-XP200L provides crisp and sharp images. Also, interaction with the image characteristics and timely effect modification allow this model to provide natural and seamless edge enhancement.



Conventional model

XP200L

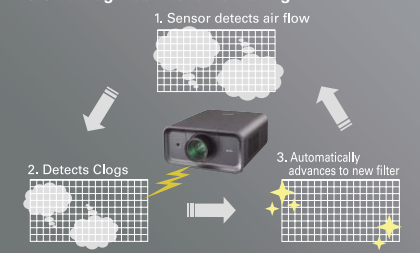
Easy Maintenance

Active Maintenance Filter (AMF)

The filter sensor detects the intake airflow volume, and advances a clean filter surface when the filter becomes soiled.



Detects clogs - Controlled Scrolling



Easier Lamp Replacement

Lamp replacement has been simplified to make maintenance easier.

Easy removal and replacement of the lamp from the side.

One-Way Cooling Mechanism (Intake x1, Exhaust x1)

Intake and exhaust ports have been eliminated from various places on the projector (such as the bottom surface) and concentrated into one intake and one exhaust, both on the side, to solve dust-related problems (and improve cooling reliability).



Filter Clogging Detection Function

When it becomes time to clean the filter, or when the filter is clogged, the operator is informed by LED indicators and a message on the on-screen display (reducing heat damage to the interior).

*Cleaning time indication: Turn on Clog warning: Blink



Cabinet LED indicators

Versatile Installation

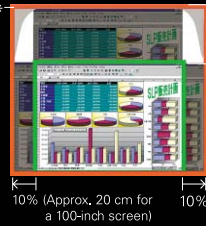
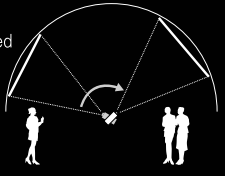
Power Vertical / Horizontal Lens Shift

Featuring both vertical and horizontal lens shift (vertical: 0 to 50 %, horizontal: ± 10 % (maximum)), the PLC-XP200L enables intuitive operation for easy on-site setup.



Vertical Installation

The PLC-XP200L can also be installed to project images upward or downward.

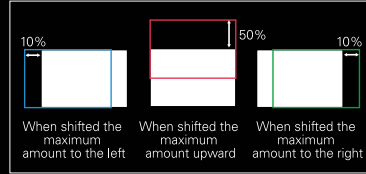


50% (Approx. 75 cm for a 100-inch screen)

Standard screen position

Shiftable range

*When shifting horizontally and vertically at the same time, brightness may be reduced in the corners of the screen.



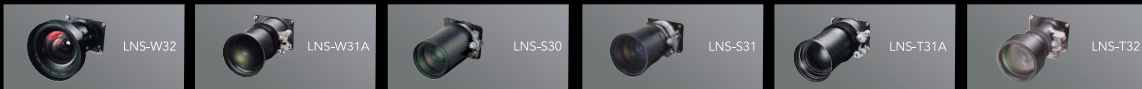
When shifted the maximum amount to the left

When shifted the maximum amount upward

When shifted the maximum amount to the right

Interchangeable Lenses (Optional)

The existing XP-series lenses can be used just as they are. Lens removal and attachment are also very easy.



*Lenses are sold as options.

Network Control

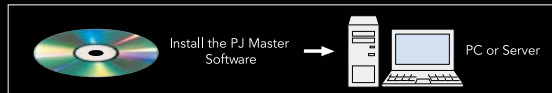
PJ-Net Organizer (option)

To use the PJ-Net technology, simply attach the PJ-Net Organizer to the projector



PJ Master (option)

The PJ Master software allows centralized control of PJ-Net Organizer-mounted projectors over a network. Install PJ Master on your PC or server.



PJ-Net Organizer Usage Example

Projectors connected by the PJ-Net Organizer let you access the following advanced centralized control functions.

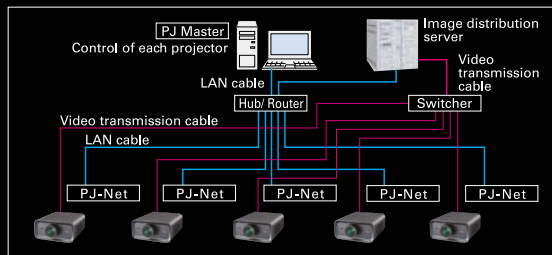
*Monitoring the internal temperature of the projector *Notification of lamp-related information (e.g. malfunction, operating hours, etc.) *Comprehensive management of network-connected projectors *Database applications for all acquired data

Network Capture Function

Web-based Management

Network Viewer Function

E-mail Alert Function Sends Messages



Useful Features

Mechanical shutter

There's also a Mechanical Shutter System which is popular for a variety of elite professional uses. The amazing XP200L fills the needs of a host of demanding business venues including meeting, entertainment and promotional applications. It's a super nova in a star-studded selection of SANYO Portable projectors.



(ex) closing of a presentation

Silence Design (35.0 dB, in ECO mode)

The operating noise is hardly noticeable even in quiet settings like conference or AV rooms.

Built-in Test Pattern

Makes on-site setup easier by serving as a guide for setting adjustments. (Includes a total of 8 built-in patterns.)



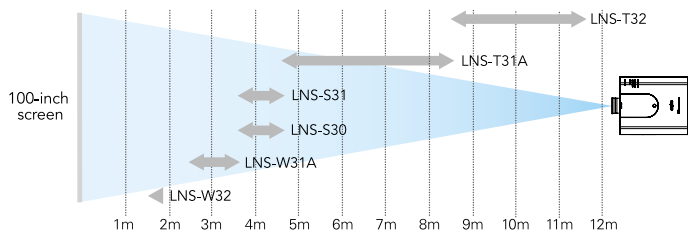
XGA Multimedia Projector
PLC-XP200L
 Brightness of 7,000 lumens



Major Options

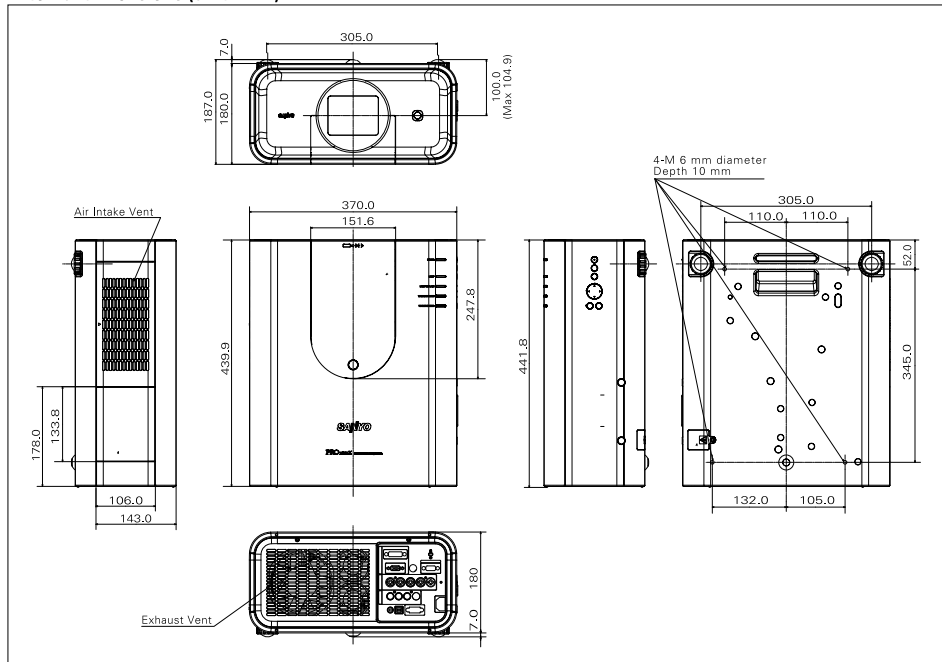
Optional Lenses

Part Number	LNS-W32	LNS-W31A	LNS-S30	LNS-S31	LNS-T31A	LNS-T32
Type	Short Fixed Lens	Wide Zoom Lens	Standard Zoom Lens	Standard Zoom Lens	Long Zoom Lens	Ultra Long Zoom Lens
Image						
Throw Distance	0.8 : 1	1.3 - 1.8:1	1.8 - 2.3 : 1	1.8 - 2.3 : 1	2.3 - 4.2 : 1	4.2 - 5.8 : 1
Focal Length	22,33 mm	34 ~ 48 mm	48.4 ~ 62.8 mm	48.2 ~ 62.6 mm	64 ~ 112 mm	108.2 ~ 151.4 mm
Lens Shift U/D	1 : 1	10 : 0 ~ 1 : 1	10 : 0 ~ 1 : 1	10 : 0 ~ 1 : 1	10 : 0 ~ 1 : 1	10 : 0 ~ 1 : 1
Motor Driven	No	Yes	Yes	Yes	Yes	Yes
F Value	2.5	2.5 - 3.1	1.8 - 2.1	1.7 - 2.0	2.0 - 2.9	2.1 - 2.8
Net Weight	1.5 kg	1.8 kg	0.84 kg	1.3 kg	1.8 kg	1.51 kg



Unit: m	LNS-W32		LNS-W31A		LNS-S30		LNS-S31		LNS-T31A		LNS-T32	
	Fixed	Wide	Wide	Tele	Wide	Tele	Wide	Tele	Wide	Tele	Wide	Tele
40	-	1.0	1.4	1.4	1.8	1.4	1.8	1.8	3.3	3.5	4.8	4.8
60	-	1.5	2.2	2.1	2.8	2.1	2.8	2.7	5.0	5.1	7.1	7.1
80	1.3	2.0	2.9	2.9	3.8	2.9	3.7	3.7	6.8	6.8	9.4	9.4
100	1.6	2.5	3.6	3.6	4.7	3.6	4.7	4.6	8.5	8.4	11.7	11.7
150	-	3.8	5.5	5.4	7.2	5.5	7.1	7.0	12.8	12.6	17.5	17.5
200	-	5.1	7.4	7.3	9.6	7.3	9.5	9.4	17.1	16.7	23.3	23.3
250	-	6.4	9.2	9.1	12.0	9.2	11.8	11.8	21.4	20.8	29.1	29.1
300	-	7.7	11.1	11.0	14.4	11.0	14.2	14.2	25.7	25.0	34.9	34.9

External dimensions (unit: mm)



All products manufactured by the Projector Division of SANYO's Digital System Company employ a quality management system that has undergone the inspection and registration process of the ISO 9001:2000 international standard.



SANYO's Digital System Company has received ISO 14001 certification for the environmental management system used in its factory.

<http://www.sanyo-lcdp.com/english/>

Caution: Please consult the instruction manual to ensure safe and proper operation of the product.

Distributed by:



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Pixelworks ICs are used in this projector

Specifications

Model number	PLC-XP200L
System	RGB liquid crystal shutter protection system
Size	1.3 inch x 3, Aspect Ratio 4:3
LCD panel	Number of pixels: 786,432 (1024 x 768) x 3 ; Total pixels 2,359,296
Color Control Device	1
Lens	Sold Separately
Lamp	330 W NSHA Lamp
Projection size	31 to 400 inches (projection distance differs by lens)
Throw distance	Differs depending on installed lens
Color reproduction	Full color (1.07 billion colors) *when in using with video
Brightness*1	7000 lumens
Uniformity*1	90 %
Contrast ratio*1	2,200:1 (full on / full off)
Scanning frequency	Horizontal: 15-100 KHz, Vertical: 48-100 Hz, Dot Clock: 180 MHz or less
Resolution RGB	1024 x 768 dots (1920 x 1080 resizing display possible)
Computer compatibility	UXGA / SXGA+ / SXGA / WXGA (Compression) XGA / SVGA / VGA
Color system	PAL / SECAM / NTSC / NTSC 4.43 / PAL-M / PAL-N
Input terminals	Input 1 Image: DVI-D x 1 (HDCP compatible*2), mini D-sub 15pin x 1 Input 2 Image: BNC x 5 (RGBHV/Y,Pb/Cb,Pr/Cr/Video) Input 3 Image: RCA x 3 (Y,Pb/Cb,Pr/Cr/Video), S-Video x 1
Communication terminals	AUDIO IN: Stereo mini-jack x 2, AUDIO OUT: Stereo mini-jack x 1 USB port: type B x 1, Serial port: D-sub 9-pin x 1 Wired remote jack: Stereo mini jack x 1
Output terminals	Image: Mini D-sub 15-pin x 1 (analog RGB)
Fan noise	35.0 dBA (Eco1 mode)
Operating temperature	5 - 40 °C
Power supply	AC 100 V - 240 V (auto voltage), 50/ 60 Hz
Power consumption	499 W (Standby:24.5 W)
Dimensions (W x H x D)	370.0 (W) x 187.0 (H) x 439.9 (D)
Weight	11.4 kg (without lens)
Standard accessories	Owner's manual(CD-ROM), AC power cord (x 1), wireless / wired remote control (x 1), AAA-size dry batteries (x 2) supplied, USB cable (x 1), D-sub15 to D-sub15 cable, PIN code label, lens attachment (x 1), light shield (x 2), lens spacer

*1 The figures are averages of all products at the time of shipment, and are indicated in accordance with JIS X8911: 2003 Data Projector Specifications Format. The measurement method and conditions are described in Appendix 2.

*2 DVI input images may not appear depending on the change of HDCP specifications.

*3 The USB interface cannot be guaranteed to operate with all USB equipment.

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Terminals



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Digital System company

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