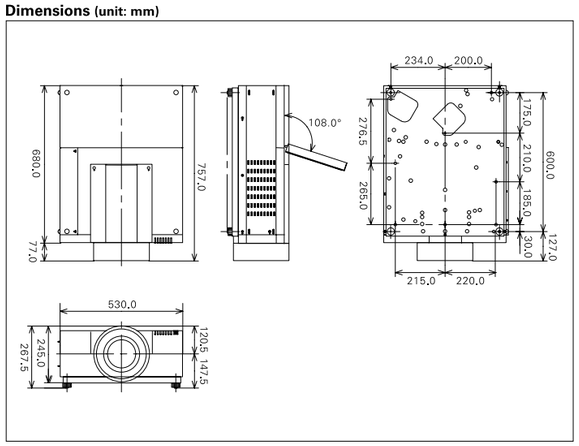
Approximate Projection Distances

Type			On-Axis Wide Fixed Lens	On-Axis Wide Fixed Lens	Wide Zoom Lens	Wide Fixed Lens	Wide Zoom Lens	Wide Zoom Lens	Wide Zoom Lens	Standard Zoom Lens	Standard Zoom Lens	Semi-Long Zoom Lens	Long Zoom Lens	Ultra-Long Zoom Lens
Part Number			LNS-W07	LNS-W03	LNS-W05	LNS-W01Z	LNS-W06	LNS-W02Z	LNS-W04	LNS-S02Z	LNS-S03	LNS-M01Z	LNS-T02	LNS-T03
Image														
Zoom/ Focus			Fixed/ Manual	Fixed/ Manual	x1.4/ Motor-Driven	Fixed/ Manual	x1.3/ Motor-Driven	x1.2/ Motor-Driven	x1.3/ Motor-Driven	x1.3/ Motor-Driven	x1.3/ Motor-Driven	x1.2/ Motor-Driven	x1.4/ Motor-Driven	x1.4/ Motor-Driven
Twin Stack Support*1			No	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PLV-WF20	Image Size		30"- 400"	30"- 400"	30"- 400"	30"- 400"	30" - 400"	30" - 400"	30" - 400"	30" - 400"	70" - 400"	30" - 400"	30" - 400"	30" - 400"
	Optical Axis	H1:H2	1:1 (Fixed)	1:1 (Fixed)	10:3 - 3:10 (approx.)	10:3 - 3:10 (approx.)	10:3 - 3:10 (approx.)	10:3 - 3:10 (approx.)	10:3 - 3:10 (approx.)	10:3 - 3:10 (approx.)	10:3 - 3:10 (approx.)	10:3 - 3:10 (approx.)	10:3 - 3:10 (approx.)	10:3 - 3:10 (approx.)
		W1:W2	1:1 (Fixed)	1:1 (Fixed)	5:3 - 3:5	5:3 - 3:5	5:3 - 3:5	5:3 - 3:5	5:3 - 3:5	5:3 - 3:5	5:3 - 3:5	5:3 - 3:5	5:3 - 3:5	5:3 - 3:5
	Throw Distance*2	40"	0.63	0.92	1.1 - 1.5	1.39	1.4 - 1.8	1.6 - 2.2	1.8 - 2.4	2.3 - 3.1	–	4.2 - 5.4	5.5 - 7.5	7.7 - 11.1
		60"	0.97	1.42	1.7 - 2.4	2.13	2.1 - 2.7	2.5 - 3.3	2.7 - 3.6	3.5 - 4.7	–	6.3 - 8.1	8.1 - 11.2	11.3 - 16.5
		80"	1.31	1.92	2.2 - 3.2	2.87	2.8 - 3.7	3.4 - 4.4	3.7 - 4.9	4.8 - 6.3	6.2 - 8.5	8.3 - 10.8	10.7 - 14.9	15.0 - 21.9
		100"	1.66	2.41	2.8 - 4.0	3.61	3.6 - 4.6	4.2 - 5.5	4.6 - 6.1	6.1 - 7.9	7.8 - 10.6	10.4 - 13.5	13.3 - 18.5	18.6 - 27.2
		150"	2.52	3.65	4.3 - 6.0	5.46	5.4 - 7.0	6.4 - 8.3	7.0 - 9.2	9.2 - 12.0	11.8 - 16.0	15.6 - 20.1	19.8 - 27.7	27.8 - 40.7
		200"	3.38	4.89	5.7 - 8.1	7.3	7.2 - 9.3	8.5 - 11.1	9.4 - 12.4	12.3 - 16.1	15.9 - 21.4	20.7 - 26.8	26.4 - 36.9	36.9 - 54.1
		250"	4.23	6.13	7.2 - 10.1	9.15	9.0 - 11.7	10.7 - 13.9	11.8 - 15.5	15.5 - 20.1	19.9 - 26.8	25.9 - 33.5	32.9 - 46.0	46.1 - 67.6
		300"	5.09	7.37	8.7 - 12.1	10.99	10.8 - 14.0	12.8 - 16.7	14.2 - 18.6	18.6 - 24.2	23.9 - 32.2	31.1 - 40.2	39.5 - 55.2	55.2 - 81.0
PLC-XF70	Image Size		–	40"- 600"	–	40"- 600"	40" - 600"	40" - 600"	40" - 600"	40" - 600"	100" - 600"	40" - 600"	40" - 600"	40" - 600"
	Optical Axis	H1:H2	–	1:1 (Fixed)	–	8:1 - 1:8 (approx.)	8:1 - 1:8 (approx.)	8:1 - 1:8 (approx.)	8:1 - 1:8 (approx.)	10:0 - 0:10 (approx.)	8:1 - 1:8 (approx.)	8:1 - 1:8 (approx.)	8:1 - 1:8 (approx.)	8:1 - 1:8 (approx.)
		W1:W2	–	1:1 (Fixed)	–	2:3 - 3:2 (approx.)	1:1 (Fixed)	2:3 - 3:2 (approx.)	2:3 - 3:2 (approx.)	2:3 - 3:2 (approx.)	2:3 - 3:2 (approx.)	2:3 - 3:2 (approx.)	2:3 - 3:2 (approx.)	2:3 - 3:2 (approx.)
	Throw Distance*2	40"	–	0.60	–	0.91	0.9 - 1.2	1.1 - 1.4	1.1 - 1.6	1.5 - 2.0	–	2.9 - 3.7	3.7 - 5.1	5.3 - 7.6
		60"	–	0.93	–	1.41	1.4 - 1.8	1.6 - 2.2	1.8 - 2.4	2.3 - 3.1	–	4.3 - 5.5	5.5 - 7.6	7.7 - 11.2
		80"	–	1.27	–	1.90	1.9 - 2.4	2.2 - 2.9	2.4 - 3.2	3.2 - 4.2	–	5.6 - 7.3	7.3 - 10.0	10.2 - 14.8
		100"	–	1.60	–	2.40	2.4 - 3.1	2.8 - 3.7	3.1 - 4.1	4.0 - 5.3	5.2 - 7.1	7.0 - 9.1	9.0 - 12.5	12.6 - 18.4
		150"	–	2.43	–	3.64	3.6 - 4.7	4.3 - 5.6	4.7 - 6.2	6.1 - 8.0	7.9 - 10.7	10.5 - 13.6	13.4 - 18.7	18.8 - 27.4
		200"	–	3.27	–	4.88	4.8 - 6.2	5.7 - 7.5	6.3 - 8.3	8.2 - 10.7	10.6 - 14.4	14.0 - 18.1	17.8 - 24.9	24.9 - 36.5
		250"	–	4.10	–	6.12	6.0 - 7.8	7.2 - 9.3	7.9 - 10.4	10.3 - 13.5	13.3 - 18.0	17.4 - 22.6	22.2 - 31.0	31.1 - 45.5
		300"	–	4.93	–	7.37	7.3 - 9.4	8.6 - 11.2	9.5 - 12.5	12.4 - 16.2	16.0 - 21.6	20.9 - 27.0	26.6 - 37.2	37.2 - 54.5

*1: Full lens performance may not be available at some projection distances.
*2: Approximate projection distances are calculated based on lens specifications. Individual lenses may diverge from this figure by up to 5% due to slight variations in lens size and shape.

Terminals

Dimensions (unit: mm)



Specifications

Model		PLV-WF20	PLC-XF70
Type		3-color LCD shutter projection	
Optics		Dichroic mirror separation/prism synthesis	
LCD panels	Size	1.2	1.8
	Number of pixels	1366 x 800 x 3	1024 x 768 x 3
Projection lens		Lenses sold separately.	
Lamp (output/type)		300 W NSHA x 2	
Projection size		Lenses sold separately.	
Color reproduction		Approx. 1.07 billion	
Effective luminous flux (brightness, lm)		6000 (With separately available lens LNS-S03.)	9000 (With separately available lens LNS-S03.)
Uniformity		90 % (corner to center)	
Supported scanning frequencies		H/ V sync –120kHz, –120Hz Dot clock 230 MHz	
Supported RGB resolutions		UXGA/ SXGA+/ SXGA/ WXGA/ XGA/ SVGA/ MAC	
Signal input terminal		inputs1: DVI-D (HDCP) / RGB (D-Sub 15 pin) inputs2: RGBHV/ Y/ VIDEO, Pb/ Cb, Pr/ Cr (BNC x 5) S-Video (Mini-DIN4) inputs3: For option board inputs4: For option board	
Other I/O		Wired remote control (minijack)	
Operating temperature		5 – 40 °C	
Power supply		100 - 120 V / 200 - 240 V AC	
Power consumption		950 W	
Dimensions (W x H x D)		530.0 x 267.5 x 757.0 mm	
Weight		27.6 kg	
Accessories		·Wireless Remote Unite (Two "AA" type Batteries) ·Owners Manual (CD-Rom & Quick Reference Guide) ·Computar Cable (D-sub15 - D-sub15) ·AC Cord x 1 (depending on destination) ·Lens Attachment x 2 ·Lens spacer ·Light block sheet x 3 ·PIN code Lavel ·Real Color Manager Pro CD-Rom x 1	

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

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

Pixelworks ICs are used in this projector

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

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

Distributed by:

SANYO Electric Co., Ltd.
DI company

SML108

Think GAIA
For Life and the Earth

SANYO

Multimedia Projector

PLC-XF70/ PLV-WF20

Powerful Images for Large Venues and Digital Signage
The Industry's Brightest*1 2-Lamp Projectors
PLC-XF70/ PLV-WF20

*1 The PLC-XF70 only. For 2-lamp projectors as of December 10, 2007

Large-Screen Solutions for Business and Education.

Ideal for Large Conference and Other Halls, Digital Signage Applications, Seminars and Lecture Halls

Industry's Highest*2 9,000-Lumens Brightness with Dual-Lamp System

PLC-XF70

Two high-output 330-W lamps and a new optical engine have achieved the industry's highest*2 brightness of 9,000 lumens.

PLV-WF20: 6000 lumens

*2: For a dual-lamp projector, as of December 10, 2007. In dual-lamp mode and with theoptional LNS-S03 lens.

17:10 Wide-Screen Aspect Ratio LCD Panels

PLV-WF20

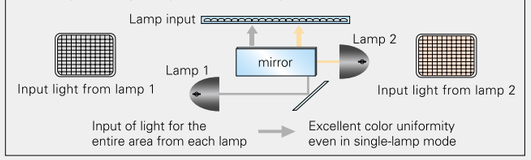
Each of the three LCD panels in the PLV-WF20 has 1,366 x 800 dots, giving a total of 3.27 million pixels to ensure high-resolution real WXGA(1,366 x768, 1,280 x 800) and real XGA image quality.

Industry's First*3 Dual-Lamp Light-Combining Technology

The new light-combining system was developed after extensively reexamining the conventional dual-lamp layout. The new system uses three mirrors to achieve uniform light output from two lamps, reducing color irregularities and delivering high image quality.

*3: As of December 10, 2007

■ Newly developed system (mirror system)



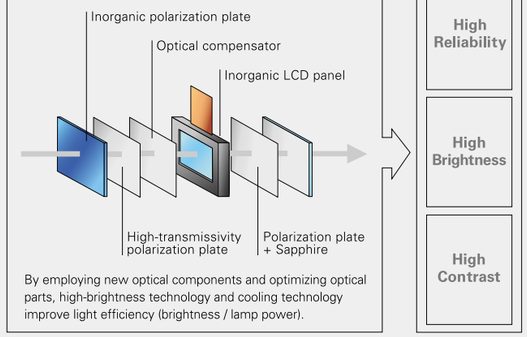
Active Maintenance Filter (AMF)

The AMF sensor detects the intake air volume. If the volume is less than the prescribed level, the filter is automatically wound and a clean filter surface is set in position. The filter can also be replaced without having to use any tools.

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.

■ New Optical Engine Maximizes the Light

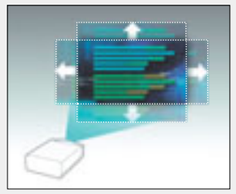


By employing new optical components and optimizing optical parts, high-brightness technology and cooling technology improve light efficiency (brightness / lamp power).

Power Lens Shift

The motor-driven lens shift function*4 makes it easy to adjust the projected image position without having to move the projector itself. This greatly simplifies projector set-up. It also helps when adjusting the images from two stacked units.

*4: depends on the mounted lens.



Optional Lenses

From short to long focus types, Sanyo offers a variety of optional lenses to match the projection distance, screen size, and projection conditions.

High-Contrast Design

This advanced optical system achieves high contrast*5 to project high-quality images with rich black reproduction, maximizing the quality of the video signals.

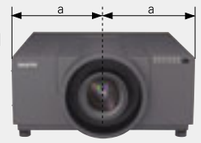
*5: Contrast ratio (full on/full off) of 2,000:1

Conventional

PLC-XF70/ PLV-WF20

Lens Center Layout (Symmetry Design)

A Symmetry Design is used (left-right center layout = left-right centered optical axis). This makes on-site setup easier.



Multi-Versatile Interface Platform System

Interfaces such as video boards and RGB boards can be mounted in available slots.*6

*6: Some boards must be mounted in specific slots.

Other Features and Functions

- Mechanical shutter
- 360-degree tilt angle
- Network Functions (Optional)
- 3D Digital Noise Reduction
- Power management function
- Easy lamp replacement
- Digital keystone function (Vertical: Max ±40 Horizontal: Max ±20)

PLC-XF70 XGA 9000 lm

PLV-WF20 WXGA 6000 lm