Network

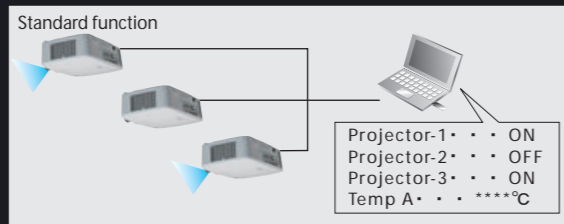## ■ A Wired LAN Network Control function* is included as standard equipment.

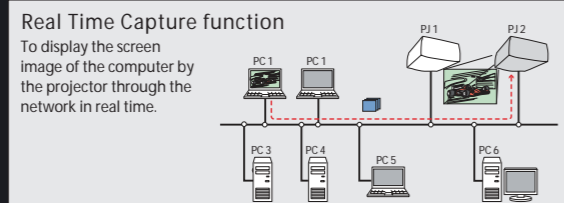A centralized management and control system can be easily configured.

*This function comes as standard equipment.

Standard function

Projector-1・・・ON
Projector-2・・・OFF
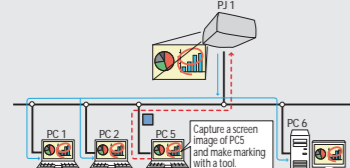Projector-3・・・ON
Temp A・・・****°C

■ Featuring the PJ-Net Organizer Board (WM5500/L) (OPTION)

The PJ-Net Organizer (POA-PN03C) is provided as standard equipment, for centralized control of projectors over a wired network. Installing the optional PJ Master into a PC or server also lets you manage the PJ-Net Organizer-mounted projectors over a network.

Real Time Capture function
To display the screen image of the computer by the projector through the network in real time.
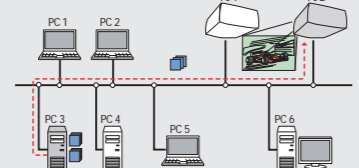
Network Communication function
To communicate by sharing the captured image of a computer with multiple computers and a projector. User can draw the text and figure on the captured image by using a drawing tool.

Network Viewer function
To acquire the JPEG image data from the file servers placed in the network and project them by the projector.


# Responding to a Host of Large-Screen Needs

Conventions and Other Events
Project crisp, sharp images from a variety of sources - PCs, document cameras, BD Player and more. With the PLC-WM5500's high output and brightness, there's no need to dim the room lights - so viewers can read handouts and take notes comfortably during the presentation. Using a PC gives you total control over image source switching, for easy, flexible large-screen presentations.
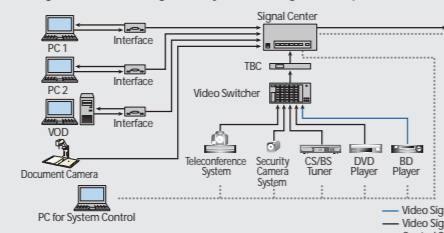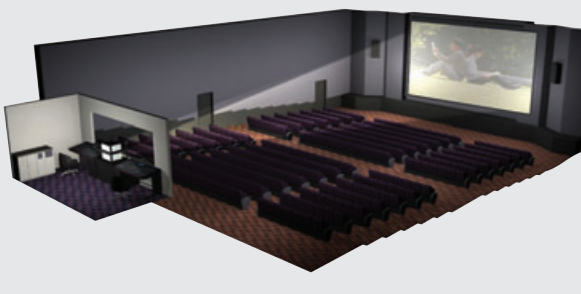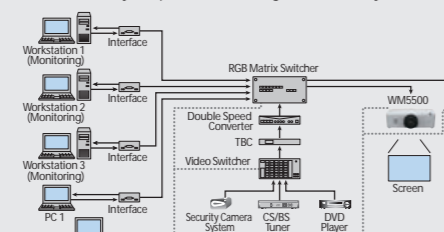
Theaters and Halls
Stack two PLC-WM5500 units, and you can project images from high-definition sources onto a large screen at an even higher brightness level. Using a system control PC, all facets of the presentation - from start-up and brightness adjustment to image source switching - can be handled automatically. The PLC-WM5500 is also ideal for "Cinema Advertising" -- Works such as business commercials can be easily projected before or between movies.
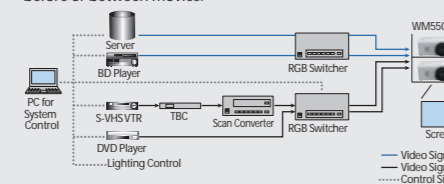
Monitor Control
You can configure a large-screen monitor system by using multiple PLC-WM5500's in a rear projection system to project images onto a multi-screen display. Use it to reproduce complex visual information, such as network control schematics, maps, and images from surveillance cameras. Using a system control PC makes it easy to operate and manage this kind of system.

Specifications

Product Number	PLC-WM5500	PLC-WM5500L	PLC-WM4500	PLC-WM4500L
System	RGB liquid crystal shutter projection system			
LCD Panel — Size	0.75 inch x 3 (inorganic), Aspect Ratio 16:10			
LCD Panel — Pixel Count	1,024,000 (1280 x 800) x3, Total pixels 3,072,000			
Projection Lens	Power-driven zoom (1 - 1.7x), f = 26.9 to 45.4mm, F = 1.7 to 2.3	Optional lens	Power-driven zoom (1 - 1.7x), f = 26.9 to 45.4mm, F = 1.7 to 2.3	Optional lens
Light Source	330 W		275 W	
Screen Size (Projection Distance)	40" - 400": 1.4 m - 24.4 m (1.4 - 80.1 ft), 100": 3.6 m - 6.0m (11.8 - 19.7 ft) (Projection distance varies depending on the lens)			
Color Reproducibility (When projecting video signal)	Full color (1.07 billion colors)			
Contrast Ratio (Full On / Full Off) *1	800:1			
Brightness *1	5,500 lumens		4,500 lumens	
Uniformity	90%			
Audio Output and Speaker	7 W mono (4 cm (circular) x1)			
Scanning Frequency (Input)	Horizontal: 15 - 100 kHz, Vertical: 48 - 100 Hz , Dot Clock: 140 MHz or less			
Resolution (resizing) (when using RGB signal)	1280 x 800 dots (WUXGA dot resizing possible)			
Terminals — PC Input	• Analog RGB input (x 2): D-sub 15: BNC 5-type			
Terminals — Video Input	• Digital input (x 1): HDMI x 1 (V 1.3a with Deep Color) • Video input (x 3): BNC 3-type (VIDEO/Y-Pb/Cb-Pr/Cr), RCA 3-type (VIDEO/Y-Pb/Cb -Pr/Cr), S-video			
Graphical Output	• Analog RGB (x 1): D-sub 15 *2			
Audio Input / Output	• Audio input : Stereo mini jack x2, RCA (stereo L (mono), R) x 1 • Audio output: Stereo mini jack x1			
Controller Input/Output, and Other	• Wired remote control connection terminal: Mini jack x1 • Wired LAN: RJ45 (10Base-T / 100Base-TX) • Control port (x 1): D-sub 9 • USB terminal: type B x 1 *3			
Operating Temperature	5 - 40 C			
Power Consumption — 100-120 V	406 W / 490 W (Eco / Normal) Standby: 0.4 W / 22 W (Eco / Network)		353 W / 420 W (Eco / Normal) Standby: 0.4 W / 15 W (Eco / Network)	
Power Consumption — 200-240 V	385 W / 460 W (Eco / Normal) Standby: 0.6 W / 24 W (Eco / Network)		336 W / 397 W (Eco / Normal) Standby: 0.6 W / 17 W (Eco / Network)	
Power Source	AC 100 - 240 V, 50/60 Hz			
Dimensions	489.5 mm (w) x 164.0 mm (h) x 434.8 mm (d) (PLC-WM5500 / WM4500), 489.5 mm (w) x 164.0 mm (h) x 371.1 mm (d) (PLC-WM5500L / WM4500L)			
Weight	9.7 kg	8.9 kg	9.3 kg	8.5 kg
Main Accessories	Removable power cord x1, D-sub 15 cable x1, PIN code-locking label, Quick reference guide, Owner's manual (Quick Manual & CD-ROM), Remote control x1 (AAA battery x 2)			

Replacement Lamp Type No.: POA-LMP136 (WM5500 / L), POA-LMP137 (WM4500 / L)
*1 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards. Measurement method/conditions are based on Appendix 2. *2 For analog signals only. Partial restriction is set up for output signals. Not all types of input signals are supported. *3 USB interface does not guarantee that every USB device is compatible. *All product names and company names are trademarks or registered trademarks of their respective companies. *Product appearance and specifications are subject to change without notice.

Throw Distance: unit (m, ft) (Aspect ratio horizontal:vertical = 16:10)

Type	Short Fixed Lens	Short Zoom Lens	Standard Zoom Lens	Long Zoom Lens	Long Zoom Lens
Part Number	LNS-W21	LNS-W20	LNS-S20	LNS-T20	LNS-T21
Zoom / Focus	Fixed / Power	x1.3 / Power	x1.7 / Power	x1.6 / Power	x1.6 / Power
Focal length (mm / inch)	13.05 0.51	20.4-27.6 0.80-1.09	26.9-45.4 1.06-1.79	45.6-73.8 1.80-2.91	73.9-117.1 2.91-4.61
F value	2.0	1.8-2.3	1.7-2.3	1.8-2.3	1.8-2.3
lens aperture (mm / a inch)	101.6 4.00	115.0 4.53	93.5 3.68	88.5 3.48	88.5 3.48
Lens weight (kg / lbs)	1.08 2.38	1.20 2.64	0.85 1.87	1.18 2.60	1.20 2.64
Projection light axis — H1:H2	1:1(Fixed)	T1:-1 - -1:11(approx.)	T1:-1 - -1:11(approx.)	T1:-1 - -1:11(approx.)	T1:-1 - -1:11(approx.)
Projection light axis — W1:W2	1:1(Fixed)	3:2-2:3(approx.)	3:2-2:3(approx.)	3:2-2:3(approx.)	3:2-2:3(approx.)
Throw Ratio	0.8:1	1.3-1.7:1	1.7-2.8:1	2.8-4.6:1	4.6-7.2:1

Throw distance																
inch	WxH(m)	Fixed		Wide	Tele	Wide	Tele	Wide	Tele	Wide	Tele	Wide	Tele	Wide	Tele	
		m	ft	m	ft	m	ft	m	ft	m	ft	m	ft			
40	0.9 x 0.5	0.64	2.11	1.1	1.4	3.6	4.6	1.4	2.4	4.6	7.9	2.4	3.8	7.9	12.5	
60	1.3 x 0.8	0.99	3.26	1.6	2.1	5.2	6.9	2.1	3.6	6.9	11.8	3.6	5.8	11.8	19.0	
80	1.7 x 1.1	1.34	4.41	2.2	2.9	7.2	9.5	2.8	4.8	9.2	15.7	4.8	7.8	15.7	25.6	
100	2.2 x 1.3	1.69	5.56	2.7	3.6	8.8	11.8	3.6	6.0	11.8	19.7	6.0	9.8	19.7	32.2	
120	2.6 x 1.6	2.04	6.71	3.3	4.4	10.8	14.4	4.3	7.3	14.1	24.0	7.3	11.8	24.0	38.7	
150	3.2 x 2.0	2.57	8.43	4.1	5.5	13.3	18.0	5.4	9.1	17.7	29.9	9.1	14.8	29.9	48.6	
200	4.3 x 2.7	3.45	11.31	5.4	7.3	17.8	24.0	7.2	12.2	23.6	40.0	12.2	19.8	40.0	65.0	
250	5.4 x 3.4	4.32	14.18	6.8	9.2	22.3	30.2	9.0	15.2	29.5	49.9	15.2	24.8	49.9	81.4	
300	6.5 x 4.0	5.20	17.05	8.2	11.1	26.8	36.4	10.8	18.3	35.4	60.0	18.3	29.8	60.0	97.8	
350	7.6 x 4.7	6.07	19.93	9.6	12.9	31.5	42.3	12.6	21.4	41.3	70.2	21.4	34.8	70.2	114.2	
400	8.6 x 5.4	6.95	22.80	10.9	14.8	35.8	48.6	14.4	24.4	47.2	80.1	24.4	39.8	80.1	130.6	

*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.
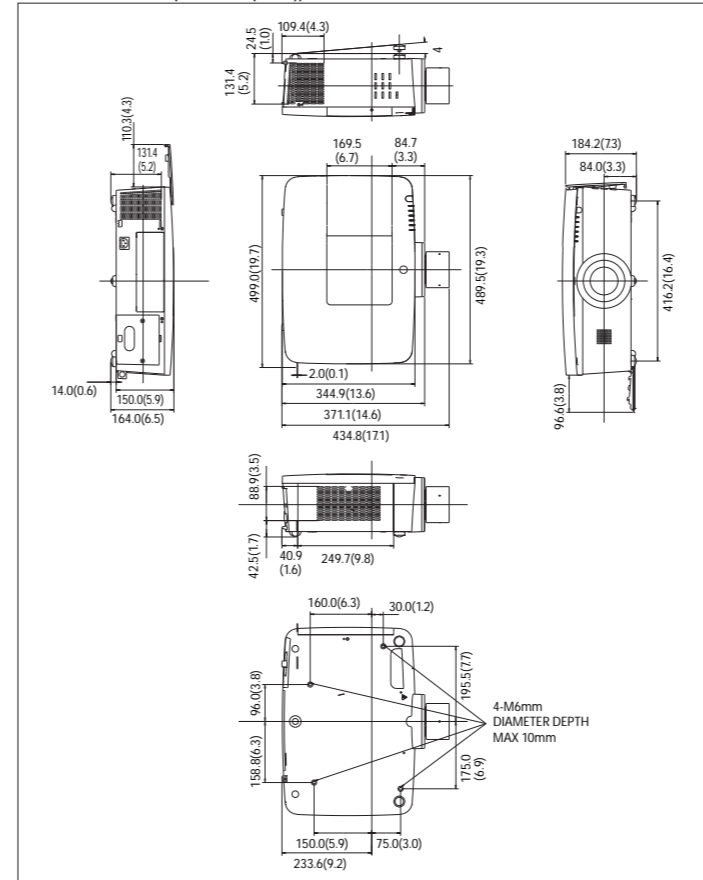
External dimensions (unit: mm (inch))

Terminals

Remote control

PLC-WM5500 / PLC-WM5500L
PLC-WM4500 / PLC-WM4500L

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http://sanyo.com/projector/

Pixelworks ICs are used in this projector

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

WXGA Multimedia Portable Projector

PLC-WM5500/WM5500L
PLC-WM4500/WM4500L

Bright Images, Versatile Installation, Flexible Usage For Professional Use

WXGA Multimedia Projector

PLC-WM5500/PLC-WM5500L — Brightness of 5,500 lumens
PLC-WM4500/PLC-WM4500L — Brightness of 4,500 lumens

Higher Brightness Images, Reliable Operation, Flexible Usage For Professional Use

Advertising and Cinema-Adverts

Educational Use

Showrooms and Business Use

Exhibitions, Event and Amusement

Features a highly reliable new optical engine with inorganic panels, this projector has a brightness of 5500 lumens (WM4500/L: 4500 lumens) and a high contrast of 800:1*, putting it at the top of its class in performance. Naturally suited to use in venues such as large meeting rooms, conference rooms and lecture halls, the projector is also ideal for projecting digital signage in bright places.

*When in 'Auto' lamp mode

16:10 wide-screen aspect ratio LCD panels

The adoption of a high-resolution Wide XGA panel enables projection of 16:10 aspect ratio Wide XGA (1280 x 800 dot) images.
Compared to the 4:3 aspect ratio XGA (1024 x 768 dot) format, the size of the screen has been greatly expanded, enabling the display of even more information.
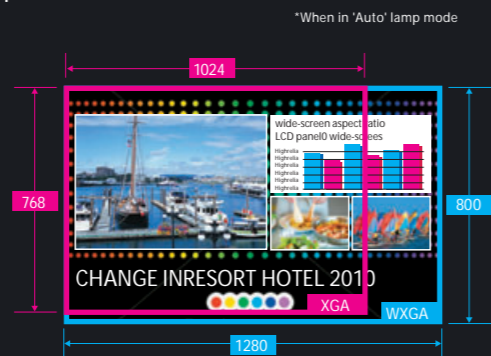
Easy Instllation

Lens center layout (symmetry)

A symmetrical design with the lens in the center of the projector has been adopted to suit ceiling installation in particular. This allows the projector and the screen to be centered together, which not only makes design and installation much easier, but also offers a sense of greater stability through symmetry of the positioning between projector and screen.
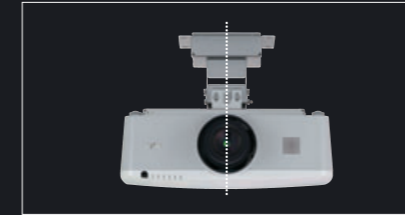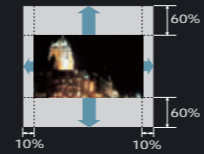

Powered lens shift & Powered zoom and focus

All models are equipped with a Powered Vertical/Horizontal Lens Shift function and an Electrical Zoom/Focus function that lets you adjust the projection position without having to move the projector. The powered function makes it easy to achieve fine positioning adjustments, using the remote control, even for projectors installed in high places.

Powered lens shift (Vertical , Horizontal)
Featuring both vertical and horizontal lens shift (vertical: +/- 60 %, horizontal: +/- 10 % (maximum)), the PLC-XMseries enables intuitive operation for easy on-site setup.
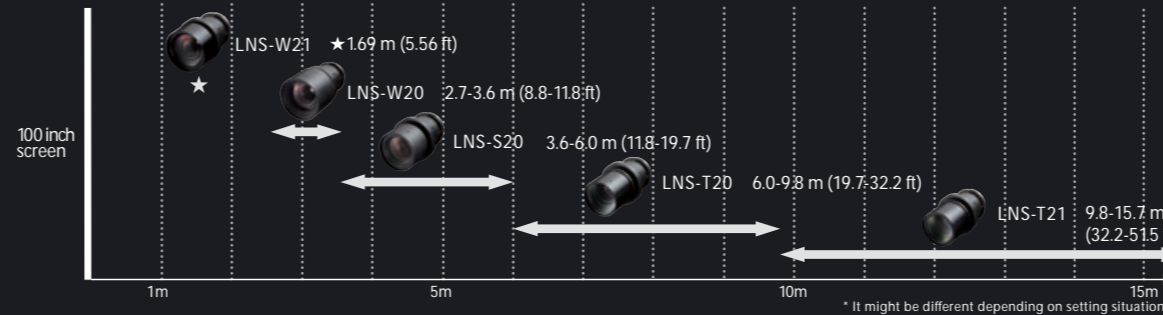
Powered zoom and focus
Zoom and focus can be carried out electronically, so that adjustments can be made easily (smoothly). Of course operations can also be carried out using the remote control, so that adjustments can be carried out easily from a distance even after the projector has been installed in a high location.

A wide range of optional lenses

5 different optional lenses for various uses
Projection distance of standard lens (to 100 inch screen)

100 inch screen

LNS-W21 ★1.69 m (5.56 ft)
LNS-W20 2.7-3.6 m (8.8-11.8 ft)
LNS-S20 3.6-6.0 m (11.8-19.7 ft)
LNS-T20 6.0-9.8 m (19.7-32.2 ft)
LNS-T21 9.8-15.7 m (32.2-51.5 ft)

1m   5m   10m   15m

* It might be different depending on setting situation

Interchangeable Lenses (Optional)

To enable projection in various locations, the lens lineup extends from short to long focus lenses. No additional tools are necessary for changing lenses. Simply press the button and screw in the interchangeable lens.
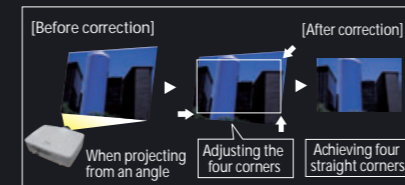

Tilted Installation Possible (360 Tilt Angle)

The projector can be installed at a 360 tilt angle in the vertical direction. This makes it possible to project images facing directly above or below the projector.

Vertical Installation
The WM Series can also be installed to project images upward or downward.

Corner Keystone Function (WM5500/L)

The Corner Keystone function corrects trapezoidal distortion. To square the image, simply designate the four corners with the remote control or projector buttons. The corrected data is stored in memory, so rectangular screens can be displayed with permanently installed projectors at lecture hall and conference room.

[Before correction]   [After correction]

When projecting from an angle | Adjusting the four corners | Achieving four straight corners

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WXGA
Multimedia Projector

PLC-WM5500/PLC-WM5500L
Brightness of 5,500 lumens

PLC-WM4500/PLC-WM4500L
Brightness of 4,500 lumens

# Easy Maintenance

Easier Replacement

Lamp replacement has been simplified to make maintenance easier. Easy removal and replacement of the lamp from the top. Of course the lamp can also be replaced easily even if the projector is ceiling mounted.

Active Maintenance Filter (AMF) System*[1] (WM5500/L)

The "AMF: Active Maintenance Filter" system enables a filter cartridge replacement interval of approximately 10,000 hours*[2]. One cartridge containing a filter roll equal to 10 filters reduces the filter cartridge replacement frequency to one-tenth. Consequently, high reliability is provided with lower maintenance costs, while saving resources.

*[1] An automatic filter replacement system WM4500/L adopts fixed filter (Approximately 3,000 hours)
*[2] General estimate when Lamp control "Normal mode" is selected, which was calculated through the company's independent test in reference to the JIS D0207 test method. The filter cartridge replacement frequency changes according to the use environment.
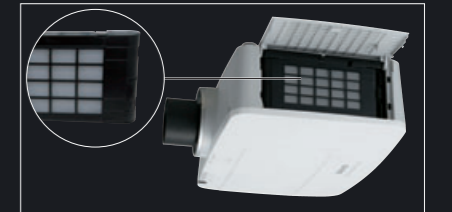
Useful Feature

Picture in Picture, Picture by Picture

"Picture in Picture" and "Picture by Picture" function
Two images can be projected simultaneously on a split screen, useful for situations such as TV conference.

P in P (picture in Picture)
Image size and position are adjustable
Example <Product introduction>
At TV conference between A and B
Main screen: Presentation content
Sub screen: Party at the other side of the line
It is possible to share the information while seeing each other's face.

P by P (Picture by Picture)
Image size and position are fixed
Example <Use in class>
At science experiment
Left screen: DVD movie
Right screen: Teaching material
It is possible to project both video and materials.

Mechanical Shutter System (WM5500/L)

The Mechanical Shutter system is popular for a variety of professional uses. It allows this star-studded selection of SANYO Portable projectors to meet a host of demanding business needs, including meetings, entertainment and promotional applications.

Auto Input Signal Search

When using a conventional projector, you have to physically select the input signal. Auto Input Signal Search automatically determines the input signal when the projector is installed and the power is turned on, and sets the input for you.

7-Watt Speakers

High-output 7-watt speakers built into the projector produce powerful sound in spaces such as conference rooms and classrooms.

Antitheft Hook

The antitheft hook lets you attach a chain to the projector for strong protection against theft.

HDMI Terminal

The WM Series comes equipped with an HDMI (Hight Definition Multimedia Interface) terminal. It is possible to project beautiful images.

Screen aspect function

When the screen aspect is set according to the aspect ratio of used screen, the image that does not protrude from the screen can be projected.

PLC-WM5500 / WM5500L

PLC-WM4500 / WM4500L