

Think GAIA  
For Life and the Earth

**SANYO**

XGA Multimedia Portable Projector

PLC-XM150/XM150L  
PLC-XM100/XM100L

## Bright Images, Reliable Operation, Flexible Usage For Professional Use

NEW



PLC-XM150/XM150L  
XGA 6,000lm  
PLC-XM100/XM100L  
XGA 5,000lm

### 1 Highest brightness in its class\*1 at 6,000 lumens [PLC-XM150/XM150L] - One rank higher brightness ensures a bright and beautiful big-screen projection -

- Combining a newly developed optical engine with superior cooling technology enabled the brightness to be boosted one rank higher to the highest brightness in its class\*1 at 6,000 lumens.
- Light efficiency approximately 20% higher\*2 compared to our conventional model\*3 enables big-screen projection which is brighter and more beautiful.
- Ideal for use in large conference rooms, lecture halls, or a usage that requires projection in well-lighted areas, such as digital signage.

\*1 As of September 30, 2009 (scheduled sales date: October, 2009), for LCD projectors of 10kg or less (PLC-XM100/XM100L: 5,000 lumens)  
\*2 Light efficiency: Brightness (lm) / Lamp power (W)  
\*3 SANYO conventional model: PLC-XT35

### 2 New Optical Engine using an inorganic liquid crystal panel and AMF: Active Maintenance Filter system - High reliability and lower maintenance cost achieved -

- Highly durable New Optical Engine using an inorganic liquid crystal panel is incorporated.
- Design minimal heat effect on the optical parts by use of radiation and cooling technology that professional model cultivates.
- "AMF: Active Maintenance Filter" system enables a filter cartridge replacement interval of approximately 10,000 hours\*4. One cartridge containing a filter roll equal to 10 filters reduces the filter cartridge replacement frequency to one-tenth, realizing high reliability and lower maintenance cost.

\*4 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.

### 3 Equipped with "Power Vertical/Horizontal Lens Shifting" and other superior functions making it ideal for professional use - A formidable edge in a variety of use environments -

- "Power Vertical/Horizontal Lens Shifting Function" and "Power Zoom/Focus Function" enable projection adjustment without changing the projector position.
- Other superior functions ideal for professional use are incorporated, such as "Corner Keystone Correction" and "Mechanical Shutter"
- In addition to the standard specification lens, 5 new lens options, from a short-focus type to a long-focus type, are available. This enables the optimum lens selection according to the installation site, making these projectors usable in a variety of spaces, such as medium- to large-size conference rooms, classrooms, and lecture halls.
- Convenient Lens Center Design for Installation
- Vertical 360-degree Tilt Angle Projection \*5

\*5 Depending on the angle, partial setting may be required

### 4 Other Features

- One Way Flow that Improves Cooling Efficiency
- Direct Power-off Function
- Simple Stacking Cabinet of Convenient to Put Backup Machine
- Anti-theft Hook
- Auto Input Signal Search
- 7W Speaker (monaural)
- Wired LAN terminal (RJ-45)
- PJ-NET Organizer

Product Number	PLC-XM150	PLC-XM150L	PLC-XM100	PLC-XM100L
System	RGB liquid crystal shutter projection system			
LCD Panel	Size	0.8 inch x 3, Aspect Ratio 4:3		
	Pixel Count	786,432 (1024 x 768) x3, Total pixels 2,359,296		
Projection Lens	Power-driven zoom (1 - 1.7x), f=26.9 - 45.4, F = 1.7 - 2.3 *XM150L/XM100L: Optional lens			
Light Source	330W		275W	
Screen Size (Projection Distance)	40" - 400" 1.3 - 22.9m(4.1-75.1') 100": 3.4m - 5.7m(11.2-18.7') (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	1000:1			
Brightness*1	6,000 lumens		5,000 lumens	
Uniformity	90%			
Audio Output and Speaker	7W (monaural) 4cm (circular) x1			
Scanning Frequency	Horizontal: 15 - 100kHz, Vertical: 48 - 100Hz, Dot Clock: 140 MHz or less			
Resolution (resizing) (When using RGB signal)	1024 x 768 dots(WUXGA dot resizing possible)			
Terminals	PC Input	<ul style="list-style-type: none"> <li>Digital input (x 1); DVI-D (HDCP compatible)</li> <li>Analog RGB input (x 2), D-sub 15; BNC 5-type</li> </ul>		
	Video Input	<ul style="list-style-type: none"> <li>Video input (x 3); BNC 3-type (VIDEO/Y-Pb/Cb-Pr/Cr), RCA 3-type (VIDEO/Y-Pb/Cb-Pr/Cr), S-video</li> </ul>		
Graphical Output	<ul style="list-style-type: none"> <li>Analog RGB (x 1); D-sub 15*2</li> </ul>			
Audio Input/Output	<ul style="list-style-type: none"> <li>Audio input: Stereo mini jack x2, RCA (L, R) x 1</li> <li>Audio output: Stereo mini jack x1</li> </ul>			
Controller Input/Output, and Other	<ul style="list-style-type: none"> <li>Control port (x 1); D-sub 9</li> <li>USB terminal; type B x 1*3</li> <li>Wired remote control connection terminal; Mini jack x1</li> <li>Wired LAN; RJ-45 (100Base-TX/10Base-T)</li> </ul>			
Operating Temperature	5 - 40°C			
Power Consumption	100-120V	490W Standby: 0.35W/18W (Eco/Network)		T.B.D
	200-240V	460W Standby: 0.56W/20W (Eco/Network)		T.B.D
Power Source	AC 100-120V, AC 200-240V, 50/60Hz			
Dimensions (W x H x D)	489.5 x 164.0 x 434.8mm 19.3 x 6.5 x 17.1 inch(PLC-XM150/XM100) 489.5 x 164.0 x 371.1mm 19.3 x 6.5 x 14.6 inch(PLC-XM150L/XM100L)			
Weight	9.7kg(21.3lbs)	8.9kg(19.6lbs)	9.7kg(21.3lbs)	8.9kg(19.6lbs)
Main Accessories	Removable power cord x1, USB cable x1, D-sub 15 cable x1, PIN code-label, Quick reference guide, Owner's manual(CD-ROM), Remote control x1 (AAA battery x 2)			

\*1 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards  
\*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.  
\*4 All product names and company names are trademarks or registered trademarks of their respective companies.  
\*5 Product appearance and specifications are subject to change without notice.  
Replacement Lamp Type No.: POA-LMP136

SANYO Electric Co., Ltd. Digital System Company  
<http://www.sanyo-icdp.com/>

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