

PDG-DET100L

Active Maintenance Filter, DICOM simulation and more



*Lens sold separately

7,500 lumens, and SXGA+ for a high brightness and superior image

The PDG-DET100L answers the growing needs in the digital signage market for use in brighter environments. This bright projector is designed to handle SXGA+ high quality resolution image projection, it meets the changing needs of the marketplace for more widespread use of high definition input signals. Attention to detail and accuracy in image projection allows use of the projector in more demanding situations, such as medical simulation, specialized design fields or CAD applications. The PDG-DET100L has two different types of user-changeable color wheels. 6 segments color wheel provides rich color reproduction, 4 segments wheels offers high brightness.

Dust-resistant sealed optical engine and *35,000 hour-use 'Active Maintenance Filter', for cleaner and highly durable projection

New, improved, sealed optical engine cooling design prevents dust build-up while maintaining optimal brightness and contrast. The traditional problems of maintaining high projection quality are overcome with the PDG-DET100L.
* ECO lamp mode

Various features for versatile installation

Equipped with 'Edge Blending function that allows what feels like boundary-less images with multi-image display possibilities. Built-in 'Color Matching' function correcting variations in color reproduction when using more than one projector. Capable of projecting two images simultaneously either using built-in picture-in-picture mode or picture-by-picture mode.

DICOM Simulation Mode

PDG-DET100L allows DICOM*1 simulation mode*2 and which can approximate an image to DICOM Part14 Grayscale Standard Display Function. This mode offers Clearbase and Bluebase DICOM simulation modes, and is helpful for use in medical institutions and education.

*1 Medical Imaging and Communications in Medicine (DICOM) is standard in medical imaging.
*2 Do not use for medical diagnosis.

24/7 feature "Lamp interval function"

The lamp interval" function can be used to automatically switch the lamp that is turned on to an alternate lamp after a certain period of time in order to reduce the initial lamp deterioration. A user can select from [Off/Auto/200h/500h/1000h/2000h] or 24h" interval time, and rotate each lamp for 24/7 usage.



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Specifications

Resolution	SXGA+ (1400 x 1050)
Brightness (typical)	7,500 ANSI lumens
Contrast Ratio	7,500:1
Panel System	0.95" DMD single chip
Number of Pixels	1,470,000
Uniformity	90%
Scanning Frequency	Horizontal: 15-120KHz, Vertical: 48-120Hz, Dot Clock: 230 MHz or less (analog)
Input signal compatibility	WUXGA/UXGA/WXGA+/SXGA+/SXGA/WXGA/XGA/SVGA/VGA/MAC, 1080p-24/25/30/48/50/60, 1080psf-24/25/30, 1080i-50/60, 720p-50/60/575p/480p/575i/480i
Color System	PAL / SECAM / NTSC / NTSC4.43 / PAL-M/N
Zoom/Focus	depends on Lens
Image Size (diagonal)	Minimum 50" - Maximum 600" (Projection distance differs by lens)
Throw Distance	depends on Lens
Throw Ratio	depends on Lens
Up/Down Ratio	Up/Down (21:1 ~ -1:21) Left/Right (19:1 ~ 1:19) depends on Lens
Digital Keystone	V: +/- 30°, H: +/- 30°
Digital Zoom	49x - 1/4x
Projection Lamp(s)	330W VIDI™ UHP x2
Voltage	100V-240V AC (auto voltage)
Power Consumption	848W
Fan Noise	36 dB (Eco1)
BTU Rating	2893
Weight	43.7 lbs
Dimensions	15.75" (w) x 9.55" (h) x 20.61" (d) (including protrusion)
Terminals PC Input/Output	Input 1: Digital video input x 2 : DVI-D x 1(HDCP compatible), HDMI x 1(Ver 1.3b(Deep color)) Analog RGB input x 1 : D-sub 15-pin x 1 Input 2: BNC x 5 (RGBHV, VIDEO/Y-Pb/Cb-Pr/Cr), S-video x 1 Input 3: Expansion slot (empty) Input 4: RJ45 LAN x 1, Serial D-sub9 IN x 1 (Expansion slot:POA-MD13NET2)
Terminals Controller input/output, and other	Monitor output : D-sub15 x 1 (Analog RGB, Y-Pb/Cb-Pr/Cr, VIDEO) Serial port : D-sub9 IN x 1 / OUT x 1 Wired remote control port : Mini-jack x 1 Service port : USB type B x 1
Replacement	Lamp : 610 343 5336 Remote: 645 099 0199
Included Accessories	Rich color reproduction color wheel (6 Segments) set x 1 High Brightness Color Wheel (4 Segments) set x 1 (Installed) Wireless (wired incl.) remote control x 1 (AA battery x 2) Cable cover 1-type (support cover x 1, cover x 1) Removable power cord x 1, Fixing bracket for power cord x 1 Computer cable (D-sub type) x 1 Real Color Manager Pro (CD-ROM), Instruction manual x 1, Warranty Card, Lens hole cover x 1 PIN code-locking seal x 1
Optional Accessories	POA-FIL131 – Replacement AMF POA-MD23ADI - DVI/D-sub module POA-MD25VD3 – 5BNC/VIDEO module POA-MD18DVI – DVI module POA-MD16VD1 – 5BNC module POA-MD17SDID – HD&SD – SDI module (SD-SDI not compatible) POA-MD13NET2 – Network module POA-MD04VGA – D-sub15 module POA-MD21WARP – Warp & Blending Optional Lenses (see below)

Because its products are subject to continuous improvement, SANYO reserves the right to modify product design and specifications without notice and without incurring any obligations.

Optional Lens Specifications

	On-Axis Short Fixed	Short Zoom	Short Zoom	STD Zoom	Long Zoom	Ultra Long Zoom
Part No.	LNS-W52	LNS-W51	LNS-W50	LNS-S50	LNS-T50	LNS-T51
Throw Ratio	0.9:1	1.3-1.6:1	1.6-1.9:1	1.9-3.1:1	3.0-5.0:1	5.2-8.6:1

