



PG-D2870W (3000 Lumens)

3D Ready Short Throw WXGA BrilliantColor™ DLP® Projector



The Short-Throw 3D Ready Sharp PG-D2870W incorporates the latest BrilliantColor DLP technology with DLP Link™ (for high quality 3D projection from a single projector). With HD compatible 1280 x 800 WXGA native resolution and compatibility up through UXGA (1600 x 1200), the PG-D2870W is able to project not only standard XGA and 720p HDTV, but also “pixel perfect” 1280 x 800 resolution from Wide-XGA PCs. Thanks to its unique short-throw design, a 100" diagonal WXGA image can be projected from a distance of only 5'1" from the screen and a 60" diagonal WXGA image can be projected from only 3'1" from the screen. This short-throw design is ideal for interactive presentations and simplifies projector placement in classrooms and meeting rooms, trade show exhibits and other venues with limited space. The fully featured PG-D2870W offers a 7 Watt audio system, RJ-45 network connector, built-in closed caption decoder and sealed DLP chip with filter-free design. Built in an ISO 14001 certified factory with low standby power consumption (0.77W) and estimated lamp life of up to 5000 hours (Eco+Quiet On), the RoHS compatible PG-D2870W is exceptionally environmentally friendly.

3D Ready. Make sure your projector is ready for use with new 3D content. Incorporating DLP Link technology, when used with compatible 3D field sequential content and PC, and optional 3D shutter glasses that support the DLP Link system, the PG-D2870W captivates audiences with breathtaking 3D imagery. This projector offers 3D support with 60Hz and 120Hz (1280 x 800 and 1280 x 720), XGA (1024 x 768) and SVGA (800 x 600) sources. When not being used for 3D projection, the PG-D2870W offers full compatibility with traditional “2D” content.

High Brightness and Contrast. 3000 Lumens, 2000:1 Contrast Ratio.

High Output 7 Watt Audio System.

BrilliantColor DLP Technology for superior color accuracy with more realistic image reproduction.

Wide Complement of Input/Output Terminals. Inputs include HDMI®, RGB/Component Video, another RGB/Component Video port selectable for use either as a second input or loop-through output, S-Video, Composite Video, two Stereo Audio Inputs and Stereo Variable Audio Line Output. Control and Communications terminals include RJ-45 LAN, RS-232C and USB.

Screen Size and Projection Distance 16:10 Mode

Projection (Screen) Size			Projection Distance [L]	Distance from the lens center to the bottom of the image [H]
Diag. [X]	Width	Height		
150"	127"	79"	7' 7"	3-1/32"
120"	102"	64"	6' 1"	2-27/64"
100"	85"	53"	5' 1"	2-1/32"
80"	68"	42"	4' 1"	1-5/8"
60"	51"	32"	3' 1"	1-7/32"

4:3 Mode

Projection (Screen) Size			Projection Distance [L]	Distance from the lens center to the bottom of the image [H]
Diag. [X]	Width	Height		
120"	96"	72"	6' 11"	2-3/4"
100"	80"	60"	5' 9"	2-19/64"
80"	64"	48"	4' 7"	1-53/64"
60"	48"	36"	3' 5"	1-3/8"

Note: Allow a margin of error in the values in the diagram above.

RJ-45 Network Connector permits remote access by web browser, diagnostics and auto e-mail sending, and ability to link to a specific website for service and support.

Free Downloadable Sharp Display Manager™ Software for multiple projector management and monitoring for theft prevention.

Sealed DLP Chip with Filter-Free Design for lower maintenance and operating costs.

“Quick Start” On-Screen Setup Guide; Built-in Closed Caption Decoder.

Wall Color Screen Adjustment Function for use with whiteboards and blackboards.

Presentation Assist Functions (by remote control) include 3D Mode on/off, page up/down, GUI (Graphic User Interface) pointer, spotlight and mouse control. Pointer offers a choice of five on-screen icons; Spotlight function highlights a box or row of information.

Audio Pass-Through (standby audio out) permits the audio output terminal to be used when the projector is in standby mode. [Projector must be set to Standby Audio-Out: On and Standby Mode: Quick Start. For use with analog sources only.]

Unique Slide Lens Cover helps protect lens from dust and provides an instant lens shutter. In the event the lens cover is kept closed for more than 30 minutes, the projector turns off automatically for safety.

Enhanced Anti-Theft Design includes LAN monitor function, reinforced metal security bar, Kensington™ lock compatibility and optional security cable kit (for use with optional ceiling mount bracket).

Shutter Door on Lamp Housing helps keep glass confined in the event of lamp breakage.



Rear Panel

Model Number	PG-D2870W
3D Ready	Yes, Compatible with DLP® Link™ Technology
Display Device	0.65" DLP Chip x 1 with BrilliantColor™ Technology
Color Wheel	5-segment
Native Resolution / Aspect Ratio	WXGA (1280 x 800) / 16:10
Brightness / Contrast Ratio	3000 Lumens / 2000:1
Lens	Fixed Short-Throw Lens (f=10.2mm), F2.8; Manual Focus
Screen Size (Min / Max)	16:10: 60" (152cm) to 150" (381cm) diagonal; 4:3: 60" (152cm) to 120" (305cm) diagonal
Input Signals - Computer RGB	UXGA*1, SXGA+*1, SXGA*1, WXGA, XGA, SVGA / Mac 21"*1, 19", 16", 13
Input Signals - DTV / HDTV	1080p, 1080i, 720p, 576i, 540p, 480p, 480i; NTSC, PAL, SECAM
Input Terminals	1 - HDMI®, 1 - Computer/Component (mini D-sub 15 pin); 1-Computer/Component (mini D-sub 15-pin) selectable as input or loop-through output; 1 - S-Video (mini DIN 4 pin); 1 - Composite Video (RCA pin type); 1 - Stereo Audio (3.5mm stereo mini jack); 1 - Stereo Audio (RCA L/R)
Output Terminals	1 - Computer / Component (mini D-sub 15-pin) selectable as input or loop-through output; 1 - Stereo Variable Audio Line Out (3.5mm stereo mini jack)
Control and Communications Terminals	LAN (RJ-45); USB (type B); RS-232C (mini DIN 9-pin)
Control System Compatibility	Crestron®, AMX®, Extron®, Bitlogix®
Closed Caption	Yes (CC1, CC2)
On-Screen Display Languages	English, German, Spanish, French, Dutch, Italian, Swedish, Portuguese, Russian, Polish, Hungarian, Turkish, Arabic, Persian, simplified Chinese, Korean, Japanese
Horizontal / Vertical Frequency	15 - 110 kHz (H) / 45 - 85 Hz (V)
Audio System	7 Watts (Monaural)
Fan Noise (Eco+Quiet: Off / On)	38 dB / 30 dB
Lamp Module	AN-D350LP or AN-D350LP/1 (250 Watt DC, User Replaceable)
Estimated Lamp Life	Up to 2000 Hours (Eco+Quiet: Off); Up to 5000 Hours (Eco+Quiet: On)
Power Source	100 - 240V, 50/60 Hz, 3.2A current
Power Consumption	322W @ 100V (0.32W Eco standby mode); 309W @ 240V (0.77W Eco standby mode)
Operating / Storage Temperature	41°F to 95°F (+5°C to 35°C) / -4°F to 140°F (-20°C to +60°C)
IR Wireless Remote Control	Yes - with presentation assist functions (3D Mode on/off, page up/down, graphic user interface [GUI] pointer, spotlight and mouse control)
Picture Modes	Standard, Presentation, sRGB, Movie, Game
Heat Dissipation Eco+Quiet: Off / On	AC 100V: 1100 BTU/hour / 740 BTU/hour; AC 240V: 1060 BTU/hour / 720 BTU/hour
Safety Approval	UL, FCC Class A
Main Body Dimensions (W x H x D)	11-52/64 x 3-1/8 x 9-19/64 (300 x 79 x 236 mm)
Weight	6.4 lbs. (2.9 kg)
Included Accessories	Wireless Remote Control; two AA Batteries, 6' AC Power Cord; 10' RGB Signal Cable; RS-232C Control Adapter, Storage Case, Operation Manual, CD-ROM
Optional Accessories	X102 3D Active Shutter Glasses; AN-STWM20 Wall Mount Bracket; AN-XRCM30 Ceiling Mount Bracket; AN-EP101B Ceiling Mount Extension Tube; AN-JT200 Angle-Mount Joint for ceiling mount; AN-CMCSS16 16" Security Cable System (for use with ceiling mount); AN-CMCSS46 46" Security Cable System (for use with ceiling mount and extension tube); AN-C3CP2 3-RCA (component video) to 15-pin D-sub cable (10'); AN-A1RS spare RS-232C Adapter; AN-MR2 Remote IR Receiver (for forward/back presentation control in ceiling mount installations); AN-C500SB Light Duty Storage Bag; AN-D200WCC Hard-Shell Tilt-N-Go Wheeled Storage Case.
UPC	074000374003
Limited Warranty*2	3 Years Parts and Labor including 3 Years of "ER" 24-hour turnaround Express Repair. 90 day warranty on user-replaceable projection lamp."

*1 Compatible in intelligent compression

*2 See warranty statement included with product, or as PDF download at www.sharppusa.com

Design and Specifications are subject to change without notice.

Brightness values indicate overall average values of the product at the time of shipment and are stated based on ISO 21118-2005.

This international standard replaces the ANSI lumens ratings.

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