



Model Shown: PG-D40W3D

The 3D Ready Sharp PG-D50X3D, PG-D45X3D and PG-D40W3D BrilliantColor DLP Projectors incorporate DLP Link® technology for high quality 3D projection from a single projector. In addition to operating as traditional “2D” projectors, these future-proof models project stunning 3D imagery that appears to come to life. These Sharp projectors are well suited for classroom / lecture hall use, corporate meeting rooms, scientific and medical imaging, architecture and engineering, house of worship, rental/staging, trade shows and other public events. Built in an ISO 14001 certified factory, these slim profile projectors are also both compact and 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 active shutter glasses (not included) that support the DLP® Link™ system, these models captivate audiences with breathtaking 3D imagery. All of these models offer 3D support with 60 Hz and 120 Hz XGA (1024 x 768) and SVGA (800 x 600) sources, with the PG-D40W3D\* further offering support of WXGA sources in 1280 x 720 resolution with 60 Hz and 120 Hz (downsampled). (When not being used for 3D projection, these models offer full compatibility with traditional “2D” content.)

**5000 Lumens/XGA Native Resolution/4:3 Aspect Ratio (PG-D50X3D); 4500 Lumens/XGA Native Resolution/4:3 Aspect Ratio (PG-D45X3D); 4000 Lumens/WXGA Native Resolution/16:10 Aspect Ratio (PG-D40W3D).** The Wide-XGA PG-D40W3D offers compatibility with standard XGA and 720p HDTV as well as “pixel perfect” 1280 x 800 resolution from the newest generation WXGA PCs.

**BrilliantColor DLP Technology and Five-Segment Color Wheel** for superior color accuracy with more realistic image reproduction.

**2500:1 Contrast Ratio (PG-D50X3D and PG-D45X3D), 2200:1 Contrast Ratio (PG-D40W3D), 1:1.15x Manual Zoom Lens and up to 500” (diagonal) Screen Size** for exceptionally high image quality and flexibility for use in almost any venue or application.

**Wide Complement of Input/Output Terminals.** Inputs include HDMI® (PG-D40W3D), HDCP Compliant DVI-I (PG-D50X3D/PG-D45X3D), RGB/Component (PG-D40W3D: x 2; PG-D50X3D/PG-D45X3D: x 1), S-Video, Composite, and Stereo Audio. Outputs are provided for RGB Loop-through and Stereo Variable Audio Line-Out. Control and communications terminals include RJ-45 LAN, USB and RS-232C.

**High Output 10 Watt Audio System (Stereo – 5 Watts per Channel).** Selectable Variable (“VAO”) or Fixed Audio Line-Out is also provided to use the projector with an external sound system or powered loudspeakers.

**RJ-45 Network Connector** permits remote access by web browser, diagnosis 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 protection.

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

**On-Screen Setup Guide and “Help” Function.**

**Built-In Closed Caption Decoder** with black and white text.

**Audio Pass-Through (standby audio out) (PG-D50X3D and PG-D40W3D).** Permits the audio output terminal to be used when the projector is in standby mode. [Projector must be set to “FAO” (Fixed Audio Out) and “Standard” standby mode. For use with analog sources only.]

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

**Unique Slide Lens Cover** protects the lens from dust and provides an instant lens shutter. Additionally, as a safety feature, if the lens cover is kept closed for more than 30 minutes, the projector turns off automatically for safety.

**Shutter Door on Lamp Housing** keeps glass confined in the event of lamp breakage. The user replaceable lamp assembly additionally offers front access for easy replacement.

**Enhanced Anti-Theft Design** includes LAN monitor function, reinforced metal security bar, metal security plate (for use with ceiling bracket) and optional security cable kit (for use with ceiling bracket).

### Screen Size and Projection Distance

#### PG-D40W3D 16:10 Aspect Ratio (Normal Mode)

Diag. [X]	Projection (Screen) Size		Projection Distance [L]		Distance from the lens center to the bottom of the image
	Width	Height	Minimum [L1]	Maximum [L2]	
500"	424"	265"	52' 8"	–	33' 1/32"
400"	339"	212"	42' 2"	48' 7"	26' 27/64"
300"	254"	159"	31' 7"	36' 5"	19' 13/16"
250"	212"	132"	26' 4"	30' 4"	16' 33/64"
200"	170"	106"	21' 1"	24' 4"	13' 7/32"
150"	127"	79"	15' 10"	18' 3"	9' 29/32"
120"	102"	64"	12' 8"	14' 7"	7' 59/64"
100"	85"	53"	10' 6"	12' 2"	6' 39/64"
80"	68"	42"	8' 5"	9' 9"	5' 9/32"
60"	51"	32"	6' 4"	7' 3"	3' 31/32"
40"	34"	21"	4' 3"	4' 10"	2' 41/64"

#### PG-D50X3D / PG-D45X3D 4:3 Aspect Ratio (Normal Mode)

500"	400"	300"	49' 0"	–	4' 15/32"
400"	320"	240"	39' 3"	45' 3"	3' 37/64"
300"	240"	180"	29' 5"	33' 11"	2' 11/16"
250"	200"	150"	24' 6"	28' 3"	2' 15/64"
200"	160"	120"	19' 7"	22' 7"	1' 51/64"
150"	120"	90"	14' 9"	17' 0"	1' 11/32"
120"	96"	72"	11' 9"	13' 7"	1' 5/64"
100"	80"	60"	9' 10"	11' 4"	57/64"
80"	64"	48"	7' 10"	9' 1"	23/32"
70"	56"	42"	6' 10"	7' 11"	5/8"
60"	48"	36"	5' 11"	6' 9"	17/32"
40"	32"	24"	3' 11"	4' 6"	23/64"

\* HDMI input is not supported (PG-D40W3D).

Model Number	PG-D50X3D	PG-D45X3D	PG-D40W3D
3D Ready	Yes. Compatible with DLP® Link® Technology		
Display Device	Single 0.7" DLP chip x 1		Single 0.65" DLP chip x 1
Native Resolution/Aspect Ratio	XGA (1024 x 768) / 4:3		WXGA (1280 x 800) / 16:10
Brightness/Contrast Ratio	5,000 Lumens / 2500:1	4,500 Lumens/ 2500:1	4,000 Lumens/ 2200:1
Manual Zoom/Focus Lens	1.15x Zoom (f = 21.0 ~ 24.2mm), F2.5 ~ 2.7		
Screen Size (Min/Max)	40" (102cm) to 500" (1,270cm) diagonal		
Input Signals – Computer RGB	UXGA*1,*2 / WSXGA+*1,*2 / SXGA+*1 WXGA *1 / XGA / SVGA / VGA Mac 21" / 19" / 16" / 13"		UXGA*1,*2 / WSXGA+*1,*2 / SXGA+*1 WXGA / XGA / SVGA / VGA Mac 21" / 19" / 16" / 13"
Input Signals – DTV/HDTV	1080p / 1080i / 720p / 576p / 576i / 540p / 480p / 480i ; NTSC / PAL / SECAM		
Input Terminals	1 - DVI-I (RGB/HDCP); 1 - Computer/Component (mini D-sub 15 pin); 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)		1 - HDMI*; 2 - Computer Component (mini D-sub 15 pin); 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); 1 - Stereo Audio Line Out – selectable for variable or fixed output (3.5 mm stereo mini jack)		
Control and Communications Terminals	LAN (RJ-45); USB (type B); RS-232C (mini D-sub 9 pin)		
Control System Compatibility	Crestron®, AMX®, Extron®, Bitlogix®		
Closed Caption	Yes (CC1, CC2)		
On-Screen Display Languages	English, German, Spanish, Dutch, French, Italian, Swedish, Portuguese, Russian, Polish, Hungarian, Turkish, Arabic, Persian, simplified Chinese, Korean, Japanese		
Horizontal/Vertical Frequency	15 – 110 kHz (H) / 45 – 85 Hz (V) [DLP Link: Off]		
Audio System	Stereo – 5 Watts per Channel (total 10 Watts)		
Fan Noise	41 db (Eco+Quiet: Off), 36 db (Eco+Quiet: On)		37 db (Eco+Quiet: Off), 30 db (Eco+Quiet: On)
Lamp Module	AN-D500LP or AN-D500LP/1 (375 W, user replaceable with front access)		AN-D400LP or AN-D400LP/1 (330 W, user replaceable with front access)
Estimated Lamp Life	2000 hours (Bright), 2500 hours (Eco+Quiet)		2000 hours (Bright), 3000 hours (Eco+Quiet)
Power Source	100 – 240V, 50/60 Hz, 4.5 A input current		
Power Consumption (Standby)	484 W (10.2W) at 100V AC; 458 W (10.8W) at 240V AC	429 W (10.2W) at 100V AC; 408 W (10.8 W) at 240V AC	429 W (10.6W) at 100V AC; 408 W (11.2 W) at 240V AC
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 on/off, page up/down, graphic user interface [GUI] pointer, spotlight and mouse control)		
Heat Dissipation	1820 BTU / hour with AC 100V (Bright), 1460 BTU / hour with AC 100V (Eco+Quiet) 1720 BTU / hour with AC 240V (Bright), 1400 BTU / hour with AC 240V (Eco+Quiet)		1610 BTU / hour with AC 100V (Bright), 1200 BTU / hour with AC 100V (Eco+Quiet) 1530 BTU / hour with AC 240V (Bright), 1150 BTU / hour with AC 240V (Eco+Quiet)
Safety Approval	UL, FCC Class A		
Main Body Dimensions W x H x D	15-3/4" x 4-15/16" x 13-13/64" (400 x 100 x 335 mm)		
Weight (Approx.)	12.8 lbs. (5.8 kg)		
Included Accessories	Wireless Remote Control; two AA Batteries; 6' AC Power Cord; 10' RGB Signal Cable; Operation Manual, CD-ROM		
Optional Accessories	X102 3D Active Shutter Glasses; AN-XGCM55 Ceiling Mount Bracket; AN-EP101B Ceiling Mount Extension Tube; AN-JT200 Angle-Mount Joint for ceiling mount; AN-CMCS16 16" Security Cable System (for use with ceiling mount); AN-CMCS46 46" Security Cable System (for use with ceiling mount); AN-C3CP2 3-RCA to 15-pin D-sub cable (10'); AN-MR2 Remote IR Receiver (for forward/back presentation control in ceiling mount installations); AN-D400WCC Hard-Shell Tilt-N-Go Wheeled Storage Case		
UPC	074000374027	074000365933	074000365964
Limited Warranty*3	3 Years Parts and Labor including 3 Years "ER" 24-Hour Turnaround Express Repair. (90 day warranty on user-replaceable projection lamp.)		

\*1 Compatible in intelligent compression

\*2 Analog RGB signal only

\*3 See warranty statement included with product, or as PDF download at [www.sharppusa.com](http://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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[www.sharppusa.com/projectors](http://www.sharppusa.com/projectors)

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Back Panel (PG-D50X3D / PG-D45X3D)

(Note, in place of DVI-I terminal, the PG-D40W3D offers an HDMI terminal and a second analog RGB/Component input.)

