



Model Shown: PG-D40W3D

The 3D Ready Sharp 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, the slim profile PG-D45X3D and PG-D40W3D 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 3D active shutter glasses (not included) that support the DLP® Link™ system, these models captivate audiences with breathtaking 3D imagery. Both the PG-D45X3D and PG-D40W3D 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.)

4500 ANSI Lumens/XGA Native Resolution/4:3 Aspect Ratio (PG-D45X3D); 4000 ANSI 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-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-D45X3D), RGB/Component (PG-D40W3D: x 2; 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-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 Auto Power-Off function automatically turns the projector off.

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)

Projection (Screen) Size			Projection Distance [L]		Distance from the lens center to the bottom of the image
Diag. [X]	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-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"

Model Number	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	4,500 ANSI Lumens/ 2500:1	4,000 ANSI 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	37 db (Eco+Quiet: Off), 30 dB (Eco+Quiet: On)	
Lamp Module	AN-D400LP or AN-D400LP/1 (330 W, user replaceable with front access)	
Estimated Lamp Life	2000 hours (Bright), 3000 hours (Eco+Quiet)	
Power Source	100 – 240V, 50/60 Hz, 4.5 A input current	
Power Consumption (Standby)	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	1610 BTU / hour with AV 100V (Bright), 1200 BTU / hour with AC 100V (Eco+Quiet) 1530 BTU / hour with AV 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	AN-XGCM55 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); 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	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

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Back Panel (PG-D45X3D)

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