SHARP

PG-D50X3D (5000 Lumens, XGA)
PG-D45X3D (4500 Lumens, XGA)
PG-D40W3D (4000 Lumens, WXGA)

3D Ready BrilliantColor™ DLP® Projectors

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)

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

Projection (Screen) Size			Projection Distance [L]		Distance from the lens center to the bottom of the image
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 - CompositeVideo (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	41ºF to 95ºF (+5ºC to 35ºC) / -4ºF to 140ºF (-20ºC to +60ºC)		
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-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	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.sharpusa.com

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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.)

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

DLP 3D READY

BrilliantColor

SIICA 10131

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