



Sharp introduces the premier installation/integration projectors. Engage audiences with eye-popping brightness and realistic colorimetry in dimly or fully lit environments. State of the art capabilities include power zoom lens with power vertical and horizontal lens shift, choice of six motorized lens options and built-in LAN connectivity. Sharp's Intelligent Dual Lamp Design improves performance by providing four levels of brightness, as well as "redundant" reliability for critical applications and installations. With the latest in DDR DLP® technology, 4-segment, 3x speed color wheel and sealed optics, these system integration projectors are designed for most any high-end application - including conference facilities, lecture halls, rental, staging, house of worship and NOC command and control.

### Features:

**5200 ANSI Lumens Brightness (XG-PH70X) or 4000 ANSI Lumens (XG-PH50X) with Unique "Intelligent" Dual Lamp System** and Sharp's advanced DLP® optical engine, matched with dual high-brightness lamps, the XG-PH70X and XG-PH50X achieve excellent contrast and uniformity. They have the ability to deliver bright, clear images in large brightly-lit rooms.

**1200:1 (XG-PH70X)/1000:1 (XG-PH50X) Contrast Ratio** for sharper, more detailed images with higher black levels.

**DDR DLP® Technology with Sealed Optics** utilizing the latest DDR (Double Data Rate) DLP® technology – incorporating a 4-segment, 3-speed color wheel. The sealed optics minimize dust, dirt and smoke from entering the system. This ensures maximum reliability with minimal maintenance.

**Intelligent Dual Lamp System** allows users to choose the lamp arrangement to suit your needs. When both lamps are utilized delivery is 5200 ANSI lumens (XG-PH70X) and 4000 ANSI lumens (XG-PH50X) standard mode, 4300/3000 in low-power "eco" mode. A single lamp delivers 2600/2000 ANSI lumens in standard mode, 2150/1500 in low-power "eco" mode.

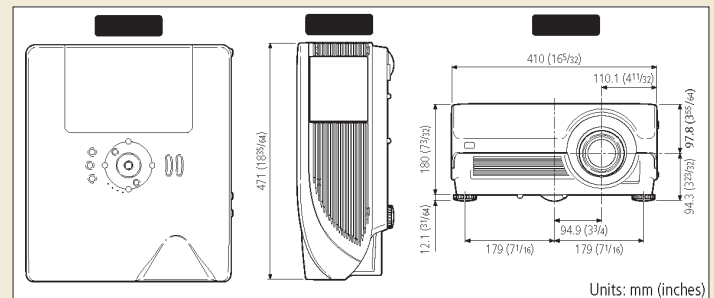
**Power H&V Lens Shift** allows horizontal and vertical lens shift for exceptionally flexible projector placement, while minimizing keystone distortion.

**Six-Lens Options** enable continuous throw ratio from 1.5 to 7.0. Optional lenses can be purchased separately.

**Built-in RJ-45 LAN Connectivity** enables remote access and monitoring over the LAN. A built-in web browser allows for direct IP addressing from anywhere on the network.

**Also available without standard lens:** Model XG-PH70X-N and Model XG-PH50X-NL.

### Dimensional Drawings



### Lens Options

	Zoom Ratio	Focal Length	F-stop	Throw Ratio
<b>AN-PH10EX</b>	Wide Angle Fixed	11.6mm	2.5	0.8 : 1
<b>AN-PH20EZ</b>	1.2x Wide Angle	21.2 - 25.8mm	2.5	1.5 - 1.8 : 1
<b>AN-PH30EZ*</b>	1.2x Zoom Lens	25.6 - 31.3mm	1.8 - 2.0	1.8 - 2.2 : 1
<b>AN-PH31EZ**</b>	1.2x Zoom Lens	25.6 - 31.3mm	1.8 - 2.0	1.8 - 2.2 : 1
<b>AN-PH40EZ</b>	1.3x Zoom Lens	31.9 - 42.5mm	2.4 - 2.5	2.25 - 3.0 : 1
<b>AN-PH50EZ</b>	1.5x Middle Throw	40.8 - 62.8mm	2.5	3.0 - 4.5 : 1
<b>AN-PH60EZ</b>	1.57x Long Throw	62.1 - 97.8mm	2.4 - 2.5	4.5 - 7.0 : 1

\* The XG-PH50X includes the AN-PH30EZ lens.

\*\* The XG-PH70X includes the AN-PH31EZ lens.

### Terminals



### Specifications

Model Number	XG-PH70X	XG-PH50X
Display Technology	Single 0.7" DDR DLP® 12° with air bearing 3x speed, 4-segment color wheel	
Pixel Resolution	XGA (1024 x 768) native up through UXGA(1600 x 1200) with Image ACE resizing	
Video Resolution	520 TV lines (composite video input) 750 TV lines (DTV 720P input, stretch)	
Brightness (Dual Lamp Operation) <sup>†1</sup>	5200 ANSI lumens (standard mode) 4300 ANSI lumens (economy mode)	4000 ANSI lumens (standard mode) 3000 ANSI lumens (economy mode)
Brightness (Single Lamp Operations) <sup>†1</sup>	2600 ANSI lumens (standard mode) 2150 ANSI lumens (economy mode)	2000 ANSI lumens (standard mode) 1500 ANSI lumens (economy mode)
Contrast Ratio	1200:1	1000:1
Projection Image Size and Distance with standard lens	40" to 500"	40" to 300" (40" : 4.9' - 5.9'; 100" : 12.1' - 14.8'; 300" : 36.1' - 44.0')
Lens included	1:1.2 power zoom and focus, F1.8-2.0, f=25.6-31.3 mm	
Projection Lamp (Wattage / Part #s)	260W x 2 (Lamp 1: AN-PH7LP1 or AN-PH7LP1/1; Lamp 2: AN-PH7LP2 or AN-PH7LP2/1)	250W x 2 (Lamp 1: AN-PH50LP1 or AN-PH50LP1/1; Lamp 2: AN-PH50LP2 or AN-PH50LP2/1)
Estimated Lamp Life <sup>†1</sup>	Up to 2000 hours (standard mode) up to 2500 hours (economy mode)	Up to 2000 hours (standard mode) up to 3000 hours (economy mode)
Optional Lenses	Choice of six lenses (including standard lens) with continuous throw ratios from 1.5 to 7.0 and 0.8:1 wide angle lens	
Power Lens Shift	Both vertical and horizontal	
Lens Shift Range <sup>†2</sup>	Vertical +/- 50%; Horizontal +/- 15%	
Data and Video Compatibility	RGB input signals: UXGA, SXGA+, SXGA, Mac 21", WXGA (XG-PH70X only) (in advance intelligent compression), XGA, SVGA, VGA, VESA, Mac 19"/16"/13". 15-126 kHz (H), 43-300 Hz (V), 12-230 MHz (pixel clock) (plug & Play VESA; DDC 1/2B). Video systems: NTSC/NTSC 4.43/PAL/PAL (60Hz)/PAL-MPAL-NSECAM DTV/HDTV (480I/P, 540P, 576I/P, 720P, 1035I, 1080I)	
Input Terminals	Analog RGB/component x 2 (15-pin mini D-sub x1, 5-BNC x1), digital RGB/component (24-pin DVI-D/HDCP) x1, audio L/R x2 (3.5mm stereo mini jack), video x1 (RCA), S-Video x1, audio L/R stereo x1 (RCA), LAN x1 (10BASE-T/100BASE-TX), RS-232C serial port x1 (9-pin D-sub), wired remote control x1 (3.5mm mini jack)	
Output Terminals	Analog RGB/component loop-through x1 (15-pin D-sub), audio L/R x1 (3.5mm stereo mini jack). Audio line-out is selectable, variable or fixed. (There is no "loop-out" of DVI input signals.)	
Built-in Audio	3 Watts x2 (stereo); 3.3cm (1.8") speakers x2	
Fan Noise (standard/eco mode)	37 dB / 35 dB	35 dB / 33 dB
Wireless/Wired Remote	Yes - with mouse control	
Power Source	100V-240V AC, 50/60Hz (multi-voltage)	
Power Consumption	650W (standard mode), 570W (eco mode), 0.8W (standby without using LAN/monitor out with 100V AC); 620W (standard mode), 550W (eco mode), 1.1W (standby without using LAN/monitor out with 240V AC)	630W (standard mode), 505W (eco mode), 0.75W (standby without using LAN/monitor out with 100V AC); 600W (standard mode), 495W (eco mode), 1.25W (standby without using LAN/monitor out with 240V AC)
Heat Dissipation	2440 BTU/hour (standard mode); 2140 BTU/hour (eco mode) with 100V AC; 2330 BTU/hour (standard mode); 2075 BTU/hour (eco mode) with 240V AC	2370 BTU/hour (standard mode); 1900 BTU/hour (eco mode) with 100V AC; 2260 BTU/hour (standard mode); 1825 BTU/hour (eco mode) with 240V AC
Included Accessories	Wireless remote control; two "AA" batteries; 12' power cord; 9' 10" RGB signal cable; remote mouse receiver; lens cap; projector manual and technical reference CD-ROM; operation manual	
Optional Accessories	AN-PHCM20: ceiling mounting bracket; AN-EP101B: extension tube; AN-JT200: angle mount joint; AN-CMCSS16: 16" security cable system; AN-CMCSS46: 46" security cable system; AN-P300SC: shipping case; AN-C3BN: 5-BNC to 15-pin D-sub cable (10'); AN-C10RS: RS-232C control cable (10'); AN-C3DV DVI cable (10'); AN-C3CP2: component video (3-RCA) to 15-pin D-sub cable (10')	
Limited Warranty <sup>†3</sup>	2-year parts and labor including 2 years of Sharp "ER" 24-hour turnaround Express Repair. 90-day lamp warranty.	3-year parts and labor including 3 years of Sharp "ER" 24-hour turnaround Express Repair. 90-day lamp warranty.
Dimensions (w x d x h) (in inches)	16.2" x 7.1" x 18.5" (main body only) / 16.2" x 7.6" x 18.5" (including protruding parts)	
Weight (in pounds)	32.9 (with standard lens); 30.3 (without lens)	32.7 (with standard lens); 30.0 (without lens)
UPC (with standard lens) (without standard lens)	074000365117 074000365124 (XG-PH70X-N)	074000364400 074000364417 (XG-PH50X-NL)

<sup>†1</sup> Lamp life may vary depending on usage conditions.

<sup>†2</sup> Lens shift range varies based on specific lens model being used.

<sup>†3</sup> See warranty statement included in the product operation manual PDF download at [www.sharppusa.com](http://www.sharppusa.com). The DLP® logo and the DLP® medallion are trademarks of Texas Instruments.

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