



Utilizes DLP®
BrilliantColor™ Technology

High Brightness, High Image Quality XGA Projector for Corporate and Education Installations

The Sharp PG-F310X Conference/Classroom Projector utilizes the latest Texas Instruments® DLP® BrilliantColor™ technology for high brightness along with outstanding picture performance. With 3000 ANSI Lumens, XGA native resolution (with compatibility up through UXGA), and a full feature set, the PG-F310X is perfect for most any educational or meeting room setting. Additionally, with its high image quality and HDCP compliant DVI-I input, the PG-F310X is ideal for use with both high resolution computer and video sources (including HDTV).

For use in commercial applications, the PG-F310X is backed by a 2-year parts and labor limited warranty (90 days on the user-replaceable projection lamp) including 2-years of Sharp industry-leading "ER" 24-hour turnaround Express Repair support. Additionally, the PG-F310X includes a USB port for mouse control, as well as an on-board RS-232C port (for easy interface with external control systems).

DLP® BrilliantColor™ technology expands the color palette for more realistic and lifelike color reproduction; and the Condenser Lens Optical System further ensures superior color accuracy. Sealed optics along with integrated air filter and ultra-quiet cooling fans make the PG-F310X a projector of choice for extended-use operation.

Features:

Texas Instruments DLP® BrilliantColor™ Technology for superior color accuracy with more realistic and lifelike image reproduction.

HDCP Compliant DVI-I (digital and analog) Input for easy setup, and secure, virtually noise-free digital connection.

High Brightness and Contrast 3000 ANSI Lumens, with 2000:1 contrast ratio.

XGA Native Resolution (1024 x 768) with Intelligent ImageACE™ resizing for compatibility up through UXGA (1600 x 1200).

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

Sealed Optics, Integrated Air Filter and Ultra-Quiet Cooling Fans for reliable, extended use operation.

On-Screen Setup Guide and "Help" Function ensure easy setup and operation.

DTV / HDTV Compatibility for both 4:3 and 16:9 aspect ratios.

Short-Throw Zoom/Focus Lens allows for large projected image from short throw distance.

Presentation Assist Functions (by remote control) include page up/down, GUI (graphic user interface) pointer, spotlight and mouse control.

Screen Size and Projection Distance NORMAL Mode (4:3)

Picture (Screen) Size			Projection Distance [L]		Distance from the lens center to the bottom of the image [H]
Diag. [X]	Width	Height	Minimum [L1]	Maximum [L2]	
300"	240"	180"	34' 3"	39' 8"	7-9/16"
200"	160"	120"	22' 10"	26' 5"	5- 3/64"
150"	120"	90"	17' 2"	19' 10"	3-25/32"
100"	80"	60"	11' 5"	13' 3"	2-33/64"
84"	67"	50"	9' 7"	11' 1"	2-7/64"
72"	58"	43"	8' 3"	9' 6"	1-13/16"
60"	48"	36"	6' 10"	7' 11"	1-33/64"
40"	32"	24"	4' 7"	5' 3"	1-1/64"

Note: There may be a maximum error of ±5.4% in the above values



Back Panel

Specifications

Model Number	PG-F310X
Native Resolution / Resizing	XGA (1024 x 768) native resolution up through UXGA (1600 x 1200) with Intelligent ImagACE resizing
TV Lines	600 TV lines (DTV 720P input)
Device Type	Single 0.55" DLP® chip
Cabinet Color	Dark Metallic
H & V Frequency / Dot Clock	fH 15-110 kHz / fV 45-85 Hz / 12-170 MHz
Compatibility	PC, Mac®, Workstation
Video System	NTSC 3.58, 4.43 / PAL, 60, M, N/SECAM
DTV / HDTV	Compatibility including 480I, 480P, 540P, 576I, 576P, 720P, 1035I, 1080I, 1080P
Brightness	3000 ANSI lumens (2400 A.L. in low power eco + quiet mode)
Contrast Ratio	2000:1
Lens Type	1:1.15x manual zoom and focus, F2.4-2.6, throw ratio = 1.75-2.0, f = 18.7-21.5mm
Optical System	Condenser lens optical system (provides higher image uniformity and contrast, without ghosting)
Aspect Ratio	Native 4:3 (with image shift for 16:9 software)
Screen Size (Min / Max)	40" (diagonal) up to 300" (diagonal)
Projection Distance	11.5' x 13.3' (for 100" diagonal screen)
IR Wireless Remote Control	Yes – with on-screen break timer, GUI pointer, spotlight, forward/back presentation control and mouse control. [38 kHz carrier frequency]
Built-in Audio System	2.0 Watts monaural
Lamp Module	AN-F310LP / AN-F310LP/1 (275W DC, user replaceable)
Estimated Lamp Life (standard/eco)¹⁾	2000 hours / 3000 hours
Fan Noise (standard/eco)	35dB / 30dB
Power Source	100 - 240V, 3.7A
Power Consumption (at 100V AC)	363W in bright lamp setting and high fan mode; 294W in eco + quiet lamp setting and normal fan mode; 5.6W in standby mode
Heat Dissipation (110V) (lamp setting bright / eco + quiet)	1365 BTU/hour / 1110 BTU/hour
Safety Approval	UL, FCC Class A
Operating / Storage Temperatures	41° F to 95° F (+5° C to +35° C) / -4° F to 140° F (-20° to +60° C)
Inputs / Outputs	1 - RGB/component input (15-pin HD); I-DVI-I RGB/HDCP; 1 - composite video input (RCA pin type); 1 - S-Video input (4-pin DIN); 1 - PC/Component stereo audio input (3.5mm mini jack); 1 - Video audio input (1-pair RCA pin-type); 1 - RGB loop-through output (15-pin HD); 1 - Stereo VAO line variable audio output (3.5mm mini jack); 1 - RS-232C (9-pin mini DIN); USB for mouse control
LAN Connectivity	Utilize third-party Ethernet to RS-232C adapter
Control Systems	Compatible with Crestron®, AMX®, Extron®, Bitlogix®
Included Accessories	Wireless remote control; two AA batteries; 6' AC power cord; 10' RGB signal cable; attached lens cap; integrated air filter; projector operation manual; RS-232C control adapter; storage bag
Optional Accessories	AN-XRCM30 ceiling mount bracket; AN-EP101B extension tube for ceiling mount; AN-JT200 angle mount joint for ceiling mount; AN-CMCS16 16" security cable system; AN-CMCS46 security cable system; AN-C3CP2 3-RCA to 15-pin D-sub cable (10'); AN-A1RS RS-232C adapter; AN-MR2 remote IR receiver (for forward/back presentation control); AN-C3BN 5-BNC to 15-pin D-sub cable (10'); AN-C500SB light-duty storage bag; AN-C600WCC hard-shell wheeled storage bag; AN-C600SC "ATA" storage case
Limited Warranty²⁾	2 years parts/labor including 2 years of Sharp ER 24-hour turnaround Express Repair. 90-day lamp warranty.
Dimensions (w x d x h) (in inches)	12-13/32 x 4-19/64 x 11-1/32 (main body only); 12-13/32 x 4-47/64 x 11-37/64 (with adjustment foot & projecting parts)
Weight (in pounds)	9.1
UPC	074000365308

¹⁾ Up to 3000 hours lamp life in low power ("eco + quiet") mode; up to 2000 hours lamp life in standard mode.

²⁾ See warranty statement included in the product operation manual PDF download at www.sharppusa.com.

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