SHARP

PG-ST90X

3D Ready Data Projector





Sharp's New Projectors with High Brilliance and Multiple Complement of Inputs Supports a Wide Range of Business, School, and Personal Applications

Notevision · DLP Picture by Texas Instruments · BrilliantColor · DLP 3D Ready · HDMI · PJLink* · Direct Power Off · USB* · Full HD 1080p

High Brightness Projector with HDMI Terminal

3,000 Lumen High Brightness

Sharp's advanced optoelectronics technology maximizes light output, providing crystal clear images in high brightness of 3,000 lumens.

HDMI Terminals

Digital-to-digital connection can be made simply by using a cable, delivering high-quality reproduction.

A Variety of Basic Features

BrilliantColor™ Technology with Six-Segment Color Wheel

BrilliantColor™ technology improves picture brilliance particularly for intermediate colors providing natural, detailed images.

New Short-Throw Lens for Efficient Use of Space

The PG-ST90X requires only 0.75m throw distance to project a 60-inch diagonal large-screen picture. The shorter projection distance with the short-throw lens enables placing the projector close to the wall or screen. This frees up space on tables.

Presentation Assist Remote Control

With the GUI pointer, five different icons can be displayed to effectively use for your presentations. Three spotlight sizes, ranging from 1/25, 1/9 or 1/8 the screen provide visual effects to focus on a specified subject.

3D Ready

Incorporating DLP® Link™ technology, 3D image projections provide a wider range of applications, allowing fuller perception of images for presentations and various content.

Other Outstanding Features

USB Memory Playback Function (Up to 1080p movie clip)

Record still images/movie clips/audio files taken by digital cameras or other devices in JPEG, MP4 or MP3 format* in a USB memory and then plug a USB memory into the projector USB terminal. The projector displays the file list with thumbnails quickly and performs presentations automatically even without a PC, ideal for store demonstrations and auto-demonstrations in exhibitions and shows.

* For more information about the supported file format, please see the reverse side.

Network Capability

- Control with Downloadable Display Manager

  A greater variety of network projector control options can be used when the Sharp Display Manager* is installed on the main computer.

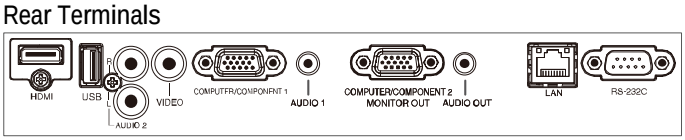
  *Sharp Display Manager can be downloaded from the Sharp Global Website for free.
  Sharp Global Website: http://sharp-world.com/projector/

  * Regarding USB input mode, "INPUT" button on the "Controller" window is not supported.

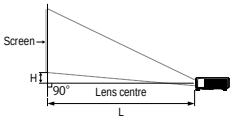
- Crestron RoomView™

  The projector can be controlled and enables management via network for plural projectors by a computer even in another room.

Rear Terminals



Screen Size and Projection Distance (4:3 Signal Input)



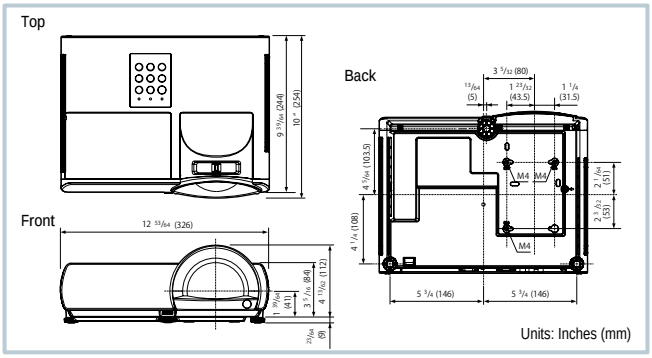
Picture size			Projection distance [L]	Distance from the lens center to the bottom of the image [H]
Diag.	Width (cm)	Height (cm)		
120"	244 cm (96")	183 cm (72")	1.51 m (4' 11")	11 cm (4 21/64")
100"	203 cm (80")	152 cm (60")	1.26 m ((4' 1")	9 cm (3 39/64")
80"	163 cm (64")	122 cm (48")	1.00 m (3' 4")	7 cm (2 57/64")
60"	122 cm (48")	91 cm (36")	0.75 m (2' 6")	5 cm (2 11/64")

PG-ST90X





Dimensions



Specifications

Models		PG-ST90X
Display devices		0.55" DLP® chip x 1
Resolution		XGA (1,024 x 768)
Brightness		3,000 lumens
Contrast ratio		2,000:1
Lens	F number	F 2.7
	Zoom	-
	Focus	Manual (f = 7.1 mm)
Picture size		60" (152 cm) to 120" (305 cm)
Projection distance		60": 0.75 m, 100": 1.26 m, 120": 1.51 m
Input signals	Computer RGB	UXGA*, WSXGA+*, SXGA+, SXGA, WXGA+*, WXGA, XGA, SVGA, VGA Mac 21", Mac 19", Mac 16", Mac 13" [* Analog only]
	DTV	1080P, 1080I, 1035I, 720P, 576P, 576I, 540P, 480P, 480I
Input terminals	HDMI	x1
	Computer / Component (mini D-sub 15-pin)	x2
	Composite Video (RCA)	x1
	USB (Type A)	x1
	Audio (ϕ 3.5-mm stereo minijack)	x1
	Audio (RCA)	x1 (L/R)
Output terminals	Computer / Component (mini D-sub 15-pin)	1 (Shared with computer / component input 2, switchable)
	Audio (ϕ 3.5-mm stereo minijack)	1 (variable audio output)
Control terminal	LAN (RJ-45)	x1
	RS-232C (D-sub 9-pin)	x1
Horizontal frequency		15 to 110 kHz
Vertical frequency		45 to 85 Hz
Audio system		7W (Mono)
Fan noise	Eco+Quiet off / Eco+Quiet On	37 dB / 28 dB
Projection lamp		250 W
On-screen display lnguages		English, German, Spanish, Dutch, French, Italian, Swedish, Portuguese, Russian, Polish, Hungarian, Turkish, Arabic, Persian, Vietnamese, Simplified Chinese, Korean, Japanese
Rated voltage		AC100 to 240 V
Rated frequency		50 / 60 Hz
Input current		3.3 A
Power consumption	Eco+Quiet Off	324W with AC 100V, 312W with AC 240V
	Eco+Quiet On	216W with AC 100V, 216W with AC 240V
Standby mode	Quick Start	4.5W with AC 100V, 4.9W with AC 240V
	Eco	0.33W with AC 100V, 0.57W with AC 240V
Operation temperature		5°C to 35°C
Cabinet		Plastic
Dimensions	(main body only) W x H x D	326 × 84 × 244 mm
	(main body only / with lens) W x H x D	326 × 112 × 254 mm
Weight (approx.)		6.2 lbs. (2.8kg)
Supplied accessories		Remote control, two LR03 (AAA) batteries, power cord (6' (1.8 m)), RGB cable (6' (1.8m)), Initial setup guide, CD-ROM
Optional accessories		Spare lamp : AN-ST90LP

USB Memory Viewer Compatibility

USB device	USB flash drive (FAT32, up to 32GB)
File size	Up to 4GB

Mode	File Extension	File Format
Photo	JPG JPEG	Horizontal / Vertical pixels : 100 ～ 8000 MAX total pixels : 18M
	BMP	Horizontal / Vertical pixels : 100 ～ 8000 MAX total pixels : 5M / In 24-bit color form
	PNG	Horizontal / Vertical pixels : 100 ～ 8000 MAX total pixels : 6M / In 24-bit color form
Music	MP3	Bit rate : 32kbps ～ 320kbps Sampling frequency : 12kHz ～ 48kHz
	WAV	Linear PCM (16bit/44.1kHz)
	WMA	Bit rate : 48kbps ～ 192kbps Sampling frequency : 12kHz ～ 48kHz WMA8, WMA9

Mode	File Extension	Video Codec	Audio Codec
Movie	AVI	H.264 BP/MP/HP L4.1 MPEG4 SP/ASP L5 Motion JPEG	MP3 AC3 LPCM
	MP4 MOV	H.264 BP/MP/HP L4.1 MPEG4 SP/ASP L5 Motion JPEG	MP3 AAC
	WMV	VC-1 SP/MP/AP Windows Media Video V9	WMA
[MAX] Resolution: 1920x1080, Frame rate: 30 fps, Bit rate: 12Mbps [Recommended] Resolution: 1280x720, Frame rate: 30fps/CBR [Audio type] Stereo			

Note

・There are some limitations for playing contents. For more details, contact the nearest Sharp Authorized Projector Dealer or Service Center.

Precautions on Viewing Stereoscopic 3D

- The sense of three-dimensionality may vary between individuals.
- Viewing stereoscopic 3D may cause discomfort or eye strain.
- For protection of proper eye development, children should avoid viewing stereoscopic 3D.
- Avoid viewing stereoscopic 3D if you have a pre-existing oversensitivity to light, sleep disorder, heart disease, or are pregnant, in poor health, feeling unwell, or inebriated.
- Read the operation manual carefully to ensure viewing stereoscopic 3D with safety and comfort.

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