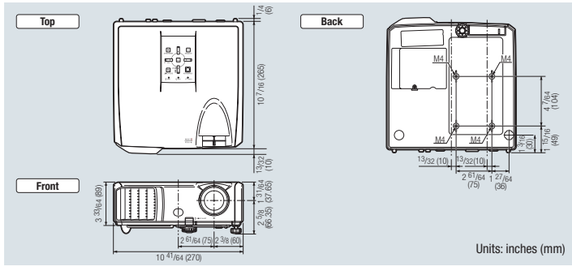
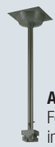
PG-F255W

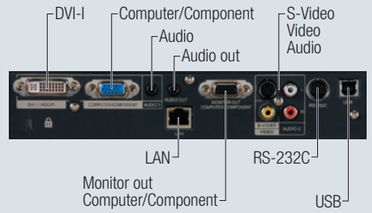
Dimensions (PG-F255W)



Optional Accessories

Lamp	USB Remote Receiver	Cable	Ceiling Mounts		
					
AN-F212LP	**AN-MR2**	**AN-C3CP2** 3-RCA to 15-pin D-sub cable (10' (3 m))	**AN-TK201** For high ceiling installation	**AN-TK202** For standard ceiling installation	**AN-60KT** Installation adaptor

Rear terminals



Note: Some of the optional accessories may not be available depending on the region.
Please check with your nearest Sharp Authorized Projector Dealer or Service Center.

Specifications

Model		PG-F255W
Display device		0.65" DLP® chip x 1
Resolution		WXGA (1,280 x 800)
Brightness		2,500 ANSI lumens
Contrast ratio		2,200:1
Lens	F number	F2.5-2.6
	Zoom	Manual, x1.15 (f=20.4 – 23.5 mm)
	Focus	Manual
Input signals	Computer RGB	UXGA*1*2, SXGA+*1*2, SXGA*1, WXGA, XGA, SVGA, VGA
	* Compression	Mac 21", 19", 16", 13"
	DTV	1080P, 1080I, 1035I, 720P, 576P, 576I, 540P, 480P, 480I NTSC, PAL, SECAM
Input terminals	DVI-I (Compatible with HDCP)	x1
	Computer / Component (mini D-sub 15 pin)	x1
	S-Video (mini DIN 4pin)	x1
	Video (RCA)	x1
	Audio (ø3.5 mm stereo minijack)	x1
	Audio (RCA)	x1 (L/R)
Output terminals	Computer / Component (mini D-sub 15 pin)	x1
	Audio (ø3.5 mm stereo minijack)	x1 (variable audio output)
Control and communication terminals	LAN (RJ-45)	x1
	USB (Type B)	x1
	RS-232C (mini DIN 9 pin)	x1
Horizontal frequency		15 – 110 kHz
Vertical frequency		45 – 85 Hz
Speaker		2 W (mono)
Fan noise		37 dB (Bright), 29 dB (Eco+Quiet)
Projection lamp		200 W
Lamp life		4,000 hours (Eco+Quiet)
On-screen display languages		English, German, Spanish, Dutch, French, Italian, Swedish, Portuguese, Russian, Polish, Hangarian, Turkish, Arabic, Persian, Simplified Chinese, Korean, Japanese
Rated voltage		AC 100-240 V
Rated frequency		50/60 Hz
Input current		2.9 A
Power consumption (standby)		267 W (10.5 W) with AC 100 V, 259 W (11.0 W) with AC 240 V
Heat dissipation		1,010 BTU / hour with AC 100 V (Bright), 830 BTU / hour with AC 100 V (Eco+Quiet) 980 BTU / hour with AC 240 V (Bright), 810 BTU / hour with AC 240 V (Eco+Quiet)
Operation temperature		41°F to 95°F (+5°C to +35°C)
Dimensions (main body only) W x H x D		10 41/64" x 3 33/64" x 10 7/16" (270 x 89 x 265 mm)
Weight (approx.)		6.4 lbs. (2.9 kg)
Supplied accessories		Remote control, two R-6 batteries, power cord (6' (1.8 m)), RGB cable (10' (3.0 m)), lens cap, DIN-D-sub RS-232C adaptor (5 57/64" (15 cm)), storage case, operation manual, CD-ROM

Design and specifications are current as of October 2008, but are subject to change without notice.
*1 Compatible in intelligent compression
*2 Compatible with analogue RGB signal only depending on signals.
• DLP® and the DLP logo are resistered trademarks of Texas Instruments and BrilliantColor™ is a trademark of Texas Instruments.
• All company and/or product names are trademarks and/or registered trademarks of their respective manufacturers. Sharp makes no warranties or representations of any kind with respect to these products.
• The lamp life may vary depending on the usage condition.

SHARP
SHARP CORPORATION OSAKA, JAPAN

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SHARP

PG-F255W
True WXGA Data Projectors

New WXGA Data Projector with BrilliantColor™ Technology, Network Connectivity, and a Wide Variety of Features Providing Useful Advantages for Business and Education

PG-F255W

Notevision

WXGA 1280×800

PICTURE BY DLP TEXAS INSTRUMENTS

FEATURES BrilliantColor™ With Multi-Color Processing For Rich, Vibrant Colors DLP

WXGA Compatibility, High-Quality BrilliantColour™ Technology, Easy Network Access and a Wide Array of Useful Features Make the PG-F255W an Invaluable Tool for Presentations with Widescreen WXGA Computers and Videos

Cutting Edge Technology Provides High-Quality Picture

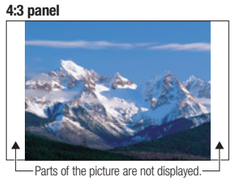
WXGA Compatibility

The 16:9 wide-screen aspect ratio is becoming increasingly common for TV broadcasts and computers, and the PG-F255W uses wide-screen-compatible WXGA (1,280 x 800). WXGA (wide XGA) provides a viewing area 1.3 times wider than standard XGA (1,024 x 768). Cable and satellite broadcasts as well as DVD videos can be viewed in their full native size.

WXGA panel

The full native-size picture is displayed.

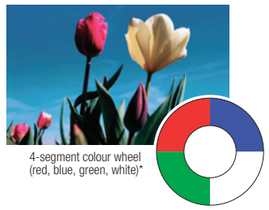
4:3 panel



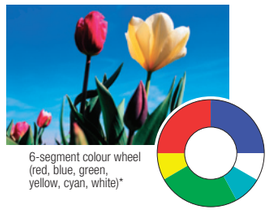
Parts of the picture are not displayed.

BrilliantColor™ Technology with Six-Segment Colour Wheel

BrilliantColor™ Technology improves picture brilliance particularly for intermediate colours, providing natural, detailed images. Sharp has also developed a 3x Speed Colour Wheel with six colour segments including yellow and cyan added to red, green, blue, and white. 3x Speed Colour With Sharp's unique colour matching technology and these six colour combinations, images can be reproduced with highly realistic colours.



4-segment colour wheel (red, blue, green, white)*



6-segment colour wheel (red, blue, green, yellow, cyan, white)*

2200:1 High-Contrast, High-Quality Image

By utilizing the DLP® optical system and Sharp's optical technology, the projectors produce crisp details and sharper blacks in black parts thanks to a 2200:1 high contrast ratio.

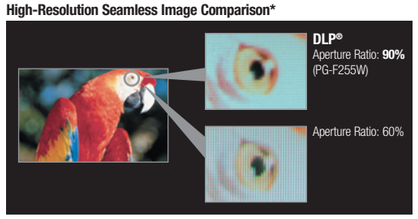
DVI Terminal with DLP® System for Full Digital Projection

Full digital projection with the DVI input terminal and DLP® system enables virtually noise-free images from digital sources. The terminal also complies with High-bandwidth Digital Content Protection (HDCP) to support digital video content in high-definition.

DLP® Digital Image

Using DLP® chip, each pixel is individually composed of one of over a half a million micromirrors to produce a high resolution, and the micromirrors lie at a distance of merely one micron, providing a seamless finely detailed picture. Also, high-speed on/off switching delivers smooth moving scenes.

High-Resolution Seamless Image Comparison*



3x Speed Colour Wheel

The projectors employ a colour wheel with an engine speed of up to 3x, improving colour break-up to an invisible level. Also, the non-contact Fluid Dynamic Bearings for the high-speed rotating colour wheel axle have a longer lifespan.

IP Conversion Image Processing

Image Processing provides optimal video performance.
The motion-adaptive scan images produce smooth moving scenes and ensure smooth natural lines and edges for 480I and 576I.

Without TrueVision™ Image Processing* | With TrueVision™ Image Processing*

* The pictures in comparison are simulated images for the purpose of explaining features.

Outstanding Performance and High-Quality Reliability

High Brightness: 2500 ANSI lumens

Sharp's advanced optoelectronics technology maximizes light output, providing crystal clear images in amazingly high brightness.

Low Fan Noise

The DLP® high-speed colour wheel with non-contact Fluid Dynamic Bearings together with multiple ultra-quiet cooling fans reduce unpleasant noise, enabling quiet operation at 29dB in Quiet mode. The operation is so quiet it causes no disturbance even in meetings or school classes.

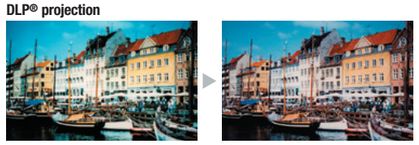
Filter-Free Design

The DLP® sealed system prevents dust, dirt and smoke from entering core parts of the optics to a much greater degree. The system also needs no filter and less maintenance, resulting in lower cost of ownership and longer use.

Long-Life High-Performance DLP® Picture

With DLP® technology minimally absorbing high-output light, the projectors maintain uniform colour reproduction capability for a long period of time.
Also, DLP® chip formation with finely structured mirrors provides stable performance and delivers high-quality pictures for longer periods. The DLP® chip contributes to a long lifespan.
In addition, because there is no burn-in or remaining afterimage, the projectors are ideal for still picture projection such as for guidance board applications and projecting CAD images.

DLP® projection



After 4,100 hours
(The picture shows no significant deterioration even after using the DLP® chip 4,100 hours.)

* By RIT/Munsell Colour Science Laboratory Test

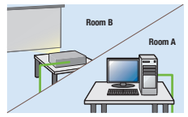
SHARP Unique Network System

Web Browser Control

Web browser control enables remote access and management of the projector by utilizing built-in firmware without the need for additional special software.

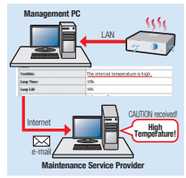
● Remote Access for Control and Adjustment

Projector control functions, including power on, input select, volume, and AV mute, can be controlled and adjusted by a computer even in another room.



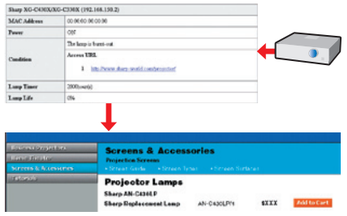
● Diagnosis and Auto Email Alert

Email is automatically sent to appointed addresses when detecting an error message, such as the lamp going out, unusual heating or cooling fan breakdown.



● Link to a Specific Website for Service and Support

The projector can be registered to a specific website for maintenance service and support. For example, the projector can send an error message, such as to notify that the lamp is burnt out, to a web address automatically selected. The address accessed for maintenance is also shown on the display.



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 Home Page for free.*

Sharp Global Homepage URL: http://sharp-world.com/projector

- **Remote Access for Multiple and Group Projector Control**
- **Periodic/Error Diagnosis and Auto Email Alert**
- **Theft Detection and Message (Network Surveillance System)**

PJLink™ Capability

The PG-F255W is compatible with devices that support PJLink™, enabling systems to be easily built for centralized management and operation using a controller. For additional information about the PJLink™, visit http://pjlink.jbmia.or.jp/english/

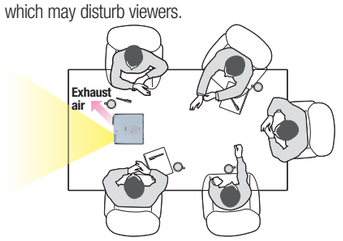
Control System Compatibility

The PG-F255W provides superior compatibility with various control systems such as Crestron, AMX and Extron.

Intuitive Design and Functions to Support Presentation Convenience

Front Exhaust Engine

The new projector series has an exhaust engine on the front so that the viewers can remain focused on the screen without distractions of noise and air which may disturb viewers.



Direct Power Off

Direct Power Off lets users unplug the projector and take it from the location without waiting for it to cool down. In addition, it also helps control the power simultaneously for multiple projectors by allowing use of the room's primary power switch and the projector's auto restart function.

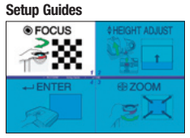
Quick Start

It takes only approx. 3 seconds to project the image.

Setup Guide for Interactive Operation

The Setup Guide provides intuitive OSD images to show the next step interactively for setup including focus, zoom and height adjustment.

Setup Guides



Setup guide is displayed after the projector is turned on.

Interactive Help Menu

The Help Menu displays any problems and assists the user in solving problems with operation.

Presentation Assist Remote Control

A variety of functions can all be performed with the projector remote control to aid your presentations including mouse control and page up and down. In addition, the following functions have been added for further performance.
Pointers: Five pointer icon shapes can be used to impressively draw attention to your subject.
Spotlights: Three spotlight sizes, ranging from 1/25 to 1/9 or 1/8 the screen, provide visual effects to focus on the specified subject.

Pointer icons

Spotlights

One-touch Advanced Picture Mode

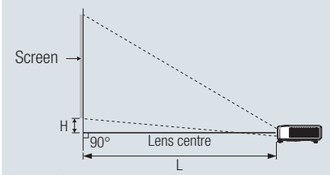
Quickly and directly choose the appropriate settings for the picture mode and lamp brightness to match the intended application.

Other Outstanding Features

- **Condenser Lens Optics**
  Crisp detail, sharper black and ghost-less image.
- **4:3 and 16:9 Aspect Ratios and HDTV/DTV and DVD Compatible**
  (1080P, 1080I, 1035I, 720P, 576P, 576I, 540P, 480P and 480I).
- **Image Shift Function**
  Images projected in 16 x 9 format can be vertically shifted for better viewing in limited spaces.
- **Theft Deterrent Function "System Lock"**
- **Key Lock Function**

Correlation of the Projector to the screen

Side View



Screen Size and Projection Distance

16:10 Signal Input (Normal Mode)

Diag.	Picture size Width (cm)	Picture size Height (cm)	Projection distance [L] Minimum (m)	Projection distance [L] Maximum (m)	Distance from lens centre to the bottom of the image [H] (cm)
300"	254" (646)	159" (404)	30'5" (9.3)	35'0" (10.7)	2 53/64" (7)
200"	170" (431)	106" (269)	20'3" (6.2)	23'4" (7.1)	1 57/64" (5)
150"	127" (323)	79" (202)	15'2" (4.6)	17'6" (5.3)	1 27/64" (4)
100"	85" (215)	53" (135)	10'2" (3.1)	11'8" (3.6)	15/16" (2)
80"	68" (172)	42" (108)	8'1" (2.5)	9'4" (2.8)	3/4" (2)
40"	34" (86)	21" (54)	4'1" (1.2)	4'8" (1.4)	3/8" (1)

4:3 Signal Input (Normal Mode)

Diag.	Picture size Width (cm)	Picture size Height (cm)	Projection distance [L] Minimum (m)	Projection distance [L] Maximum (m)	Distance from lens centre to the bottom of the image [H] (cm)
300"	240" (610)	180" (457)	34'5" (10.5)	—	3 13/64" (8)
200"	160" (406)	120" (305)	22'11" (7.0)	26'5" (8.1)	2 9/64" (5)
150"	120" (305)	90" (229)	17'3" (5.2)	19'10" (6.0)	1 39/64" (4)
100"	80" (203)	60" (152)	11'6" (3.5)	13'3" (4.0)	1 1/16" (3)
80"	64" (163)	48" (122)	9'2" (2.8)	10'7" (3.2)	55/64" (2)
40"	32" (81)	24" (61)	4'7" (1.4)	5'3" (1.6)	27/64" (1)

* Allow a margin of error in the above values.