

# Wherever Your Presentation Takes You, This Powerful Projector Comes in Handy

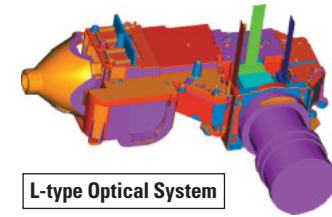
## Bright & Silent

**2500 ANSI Lumen High Brightness (PG-C45X)**  
**2400 ANSI Lumen High Brightness (PG-C45S)**

Sharp's optoelectronics technology in a three-LCD projection system maximises light output with the L-type optics. This technology provides a bright, easy-to-see image even in large brightly-lit rooms.

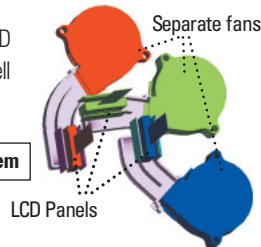
### 33 dB Low Fan Noise (Low Power Mode)

PG-C45X/S employs a separate cooling system for each RGB LCD panel for efficient cooling as well as reducing fan noise.



L-type Optical System

### Individual Cooling System



LCD Panels

## Portable

### Extraordinary Slim & Lightweight

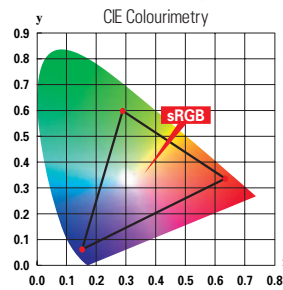
Sharp's L-type optical mechanism achieves an amazingly slim, lightweight body. The attaché case-style design makes transport as easy as carrying a briefcase, while the recessed lens provides full protection against accidental damage.



## CV-IC (Computer & Video Integrated Composer) System II Technology

### sRGB Colour Standard Compatible

With sRGB compatibility the PG-C45X/S faithfully reproduce the same colour tones, hues and gradations as the original picture on a PC screen.



### Video Noise Reduction

Allows for a clear image even with noisy video source signals.

### Dynamic Gamma Correction

Dynamic Gamma Correction optimises Gamma correction frame by frame in real time, providing a crisp and vivid image.

### Enhanced Three-Two Pull Down

Using the Film Mode, the PG-C45X/S can beautifully reproduce movie film recorded in 24 Hz progressive format.

### Active Digital Keystone Correction

The Active Digital Keystone Correction compensates for picture distortion when images are projected at an angle. This system smooths out jaggies on keystone images and compresses the image keeping the 4:3 aspect ratio.

### Colour Management System

The Colour Management System enables adjusting only a specified colour by selecting the colour or the object on the screen without influencing other colours on the same screen. No need for troublesome whole screen control with convenient one-colour adjustment!

### New Intelligent Compression

New Intelligent Compression makes fine, faint lines and letters clearer and sharper, suitable for projecting graphics, graph materials and PC menus, providing superb legibility.

## Simple & Easy Operation

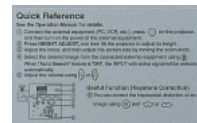
### Intuitive Layout of Buttons and Remote Control

For intuitive button layout, essential and frequently used buttons for basic operations, setup and image adjustment are located close together and with larger buttons. This layout allows simple setup and



### Quick Reference

Any person first using the PG-C45X/S can quickly set up and use it with just a quick glance at the reference sticker placed close to operation buttons.



### Intuitive Terminal Layout

A wide variety of AV/PC input and output terminals are effectively placed with colour guidance.



### Sharp Original Pull-Down Menu GUI (Graphical User Interface)

The easy-to-use icon-based GUI shows how to adjust pictures, languages and other settings, and single adjustment items can be displayed without disturbing the screen with menu bars.



## Easy Lens Change System & Easy Maintenance

### New Bayonet Mount System

With the PG-C45X/S, it is amazingly easy to change lenses without a screwdriver and even without opening the cabinet. Anytime you enter a



new presentation venue, you can simply relax and quickly change lenses to suit the room size and screen size.

### Easy Removal of Lamp & Filter

The PG-C45X/S lamp and filter can be easily removed while the projector is on a tabletop or when even ceiling mounted.



## Excellent Compatibility

### Advanced Compatibility with High-End PCs, Workstations and DTV

Incorporating proprietary Sharp LSI Technology, the PG-C45X/S works with powerful PCs and workstations used for specialised applications, such as medical, prepress DTP, CAD and CAM.

- Compatible with Sync. on Green and Composite Sync. signals – Compatible with workstations (SUN, SGI, IBM, HP)
- HDTV/DTV Compatible: 480i/480P/540P/580i/580P/720P/1035i/1080i-50 Hz/60 Hz

- RGB input signals: PG-C45X
  - Horizontal Frequency: 15–126 Hz
  - Vertical Frequency: 43–200 Hz\*1
  - Pixel Clock: 12–230 MHz
- UXGA (1,600 x 1,200), SXGA+ (1,400 x 1,050), SXGA (1,280 x 1,024) and Macintosh 21" (1,280 x 1,024) Compatible in Advanced Intelligent Compression
- True XGA (1,024 x 768) and Macintosh (19"/16"/13") Compatible

- PG-C45S
  - Horizontal Frequency: 15–102 Hz
  - Vertical Frequency: 43–160 Hz\*1
  - Pixel Clock: 12–120 MHz
  - SXGA (1,280 x 1,024), XGA (1,024 x 768) and Macintosh (21"/19") Compatible in Advanced Intelligent Compression
  - True SVGA, VGA and Macintosh (16"/13") Compatible

\*1 Temporary noise may be visible with vertical frequencies above 100 Hz if OSD functions are activated.

## Security & Safety

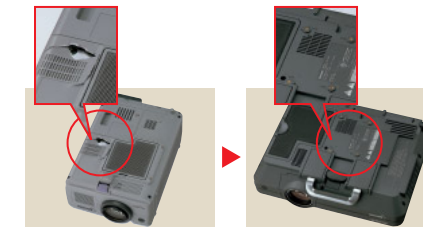
### Notevision Lock Down Function

The optical unit provides a solid mounting point for ceiling mount hardware, and the joint area is reinforced by a metal plate. This achieves a maximum loading capacity of 6,710 N\*2, about three times more than conventional models, and a strong mount deters theft.

### Static Load Capacity on

**Conventional projectors: 2,260 N\*2** (when hanging with three mounting points)  
**PG-C45X/S: Maximum 6,710 N\*2** (when hanging with four mounting point)

when a projector is subjected to a force of 2,260 N\*2



The conventional model is damaged.

The PG-C45X/S remains undamaged.

\*2 N (Newton) is the unit for force. When hanging a 1-kg object to the ceiling mounted projector, the projector is subjected to a force equivalent to 10 N.

### Theft Deterrent (System Lock)

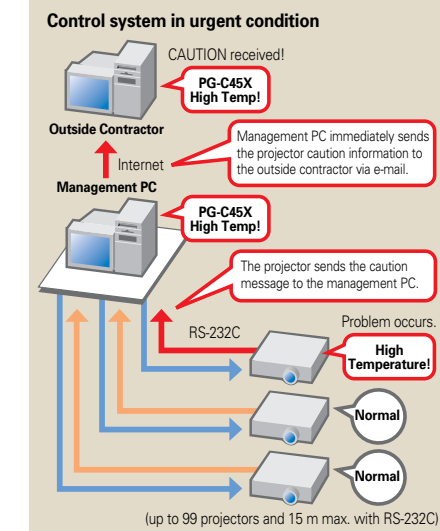
The theft deterrent function prevents unauthorized use of the projector.

The start-up screen when the projector's Theft Deterrent Function is on

## Remote Access & Management

### Remote Periodical Diagnosis

A PC with the supplied Sharp Advanced Presentation Software (SAPS) Professional Edition\*3 checks each projector's condition at regular intervals and collects relevant information. And if it detects something wrong, the computer sends the data to a preset main computer in the maintenance department at school or to an outside service contractor.



\*3 Sharp Advanced Presentation Software Professional Edition is included on the supplied CD-ROM and can also be downloaded from the Sharp Global website (<http://www.sharp-world.com/projector>) for free.

### Multiple and Group Projector Control

With the supplied SAPS Professional Edition, a single PC can control up to 99 PG-C45X/S with the installation of a COM port board. In addition, group setting is possible among these projectors, to individually control each group.

### Control System Compatibility

The PG-C45X/S provides superior compatibility with various control systems such as Crestron, AMX and Extron.



## Other Outstanding Features

- Advanced Picture-In-Picture
- High-Speed Auto Response Adjust (ARA)
- Power Save Mode
- High-Quality Video Circuits (3-Line Digital Comb Filter, Y/C Separation, Noise Reduction, Colour Transient and Y Delay)
- New Image Capture
- Auto Search
- Presentation Support