Simple-to-Use New DLP™ Projector with High-Contrast, High-Brightness and High-Quality Performance Reliability to Meet Your Needs
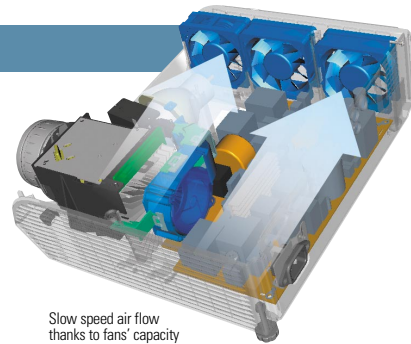
High-Performance Projection Elements

3000 ANSI Lumen (XG-MB65X)
2500 ANSI Lumen (XG-MB55X)
High Brightness (Standard Mode)
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 30dB in Low Power mode. The operation is so quiet it causes no disturbance even in meetings or school classes.

Slow speed air flow thanks to fans' capacity

Cutting Edge Technology Provides High-Quality Picture

2000:1 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 2000:1 high contrast ratio.
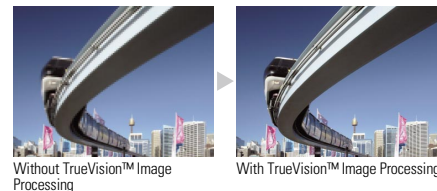
Comparison of Contrast Ratio

2000:1   400:1

XG-MB65X/55X

Models in the same class as the XG-MB65X/55X generally provide a contrast ratio of 400:1.

DLP™ Digital Image
Using DMD, 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

DLP™
Aperture Ratio:
90%
(XG-MB65X/55X)

Aperture Ratio:
60%

3X Speed Colour Wheel
The projectors employ a colour wheel with a 3x speed engine, 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.

DMD™
Projection Lens
Relay Lens
Colour Wheel (CW)
Projection Lamp

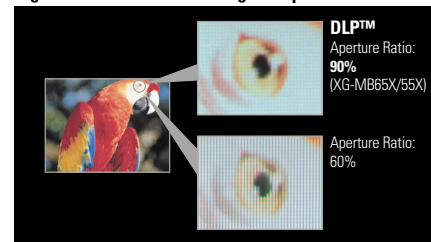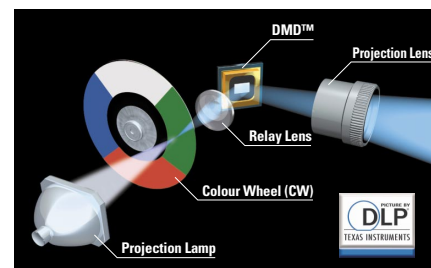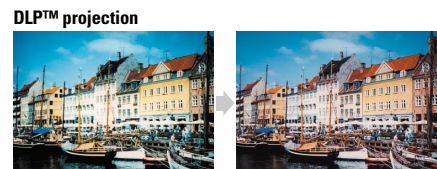### IP Conversion from TrueVision™ Image Processing
TrueVision™ Image Processing provides optimal video performance. The motion-adaptive scan images produce smooth moving scenes and ensure smooth natural lines and edges.

Without TrueVision™ Image Processing

With TrueVision™ Image Processing

High-Quality Reliability

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, DMD™ silicon chip formation with finely structured mirrors provides stable performance and delivers high-quality pictures for longer periods. The DMD™ chip in the XG-MB65X/55X 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.
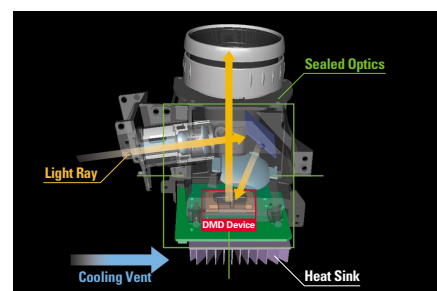
DLP™ projection

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

* By RIT/Munsell Colour Science Laboratory Test
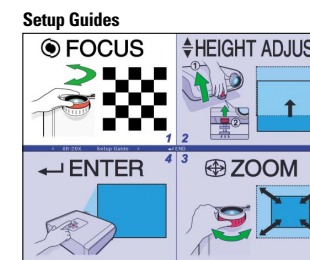
Sealed Optics
The optical mechanism is sealed in its structure, preventing dust, dirt and smoke from entering core parts of the optics to a much greater degree. The system also needs no filter and less maintenance, resulting in lower cost of ownership and longer use.

Sealed Optics
Light Ray
DMD Device
Cooling Vent
Heat Sink

Operation Simple Enough for Anyone to Use

Setup Guide for Interactive Operation
The XG-MB65X/55X Setup Guide provides intuitive OSD images to show the next step interactively for setup including focus, zoom and height adjustment.

Setup Guides
FOCUS
HEIGHT ADJUST
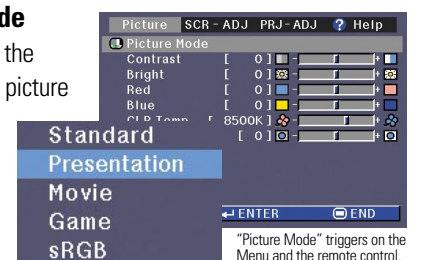ENTER
ZOOM

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.

Picture SCR-ADJ PRJ-ADJ ? Help
There is no picture or audio
- There is no picture or audio
- Vertical stripes or flickering image appear
- Data image is not centered
- Color is faded or poor
- Picture is dark
- The image is distorted
- Reset all adjustments to default settings
SEL. ENTER END

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

Picture SCR-ADJ PRJ-ADJ ? Help
Picture Mode
Contrast
Bright
Red
Blue
CLP Temp 8500K
Standard
Presentation
Movie
Game
sRGB
ENTER END

"Picture Mode" triggers on the Menu and the remote control.

Universal Design
The beeping sound informs the user when the power is on and cooling down has completed. Also, intuitive button layout allows the user to operate the projector simply.

Intuitive Button Layout

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

Multiple Connections for a Wide Range of Applications
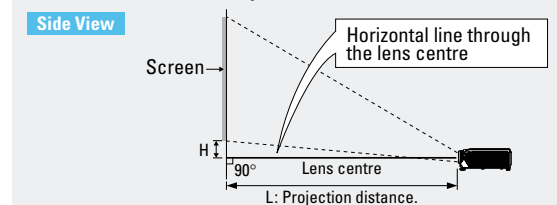
Multiple Input Terminals
Projectors can be connected to DVD players, cable or satellite boxes, laptop and desktop computers, HDTV tuners, VCRs and video game consoles.

Other Outstanding Features

- **4:3 and 16:9 Aspect Ratios and HDTV/DTV and DVD Compatible** (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.
- **Auto Keystone Correction**
- **Presentation Support: Freeze, AV Mute**
- **Theft Deterrent Function "System Lock"**
- **Key Lock Function**

■ Correlation of the Projector to the screen

Side View
Screen
Horizontal line through the lens centre
H
90°   Lens centre
L: Projection distance.

Screen Size and Projection Distance

NORMAL Mode (4:3)

Diag. (inches)	Picture size Width (cm)	Picture size Height (cm)	Projection distance [L] Minimum	Projection distance [L] Maximum	Distance from the bottom of the image to the lens centre [H]
300	610	457	10.4m	12.1m	−48cm
200	406	305	7.0m	8.1m	−32cm
100	203	152	3.5m	4.0m	−16cm
60	122	91	2.1m	2.4m	−10cm
40	81	61	1.4m	1.6m	−6cm

STRETCH Mode (16:9)

Diag. (inches)	Picture size Width (cm)	Picture size Height (cm)	Projection distance [L] Minimum	Projection distance [L] Maximum	Distance from the bottom of the image to the lens centre [H]	Adjustable range of image position [S]
250	553	311	9.5m	11.0m	−96cm	±52cm
200	443	249	7.6m	8.8m	−77cm	±42cm
100	221	125	3.8m	4.4m	−38cm	±21cm
60	133	75	2.3m	2.6m	−23cm	±12cm
40	89	50	1.5m	1.8m	−15cm	±8cm

* Negative figures mean the lens center position is under the bottom of the picture.
* Allow a margin of error in the above values.