High-Brightness, High-Contrast, High-Performance DLP Projectors with Slim Body and Superb Dust Resistance

XG-MB70X/PG-MB60X
True XGA Multimedia Projectors

* The projected light is a simulated image.
Slim-Bodied, High-Performance DLP Projectors Expand Application Possibilities

The XG-MB70X/PG-MB60X projectors both employ a DLP™ system for the display device that controls the DMD™ (Digital Micromirror Device) chip, which contains many thousands of micromirrors on the silicon chip, reflecting light to display images.

**Sealed Optics**
The optical mechanism of DLP™ system projectors is sealed in its structure, preventing dust, dirt and smoke from the entering core parts of the optics to a much greater degree than with LCD projectors. The system also needs no filter and less maintenance, resulting in lower cost of ownership and longer use.

**Long-life High-Performance DMD™ Panel**
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-MB70X/PG-MB60X achieves a lifetime of 20,000 hours*. Also, because there is no burn-in or remaining afterimage, the projectors are ideal for still picture projection such as for guidance board applications afterimage, the projectors are ideal for still picture projection such as for guidance board applications as well as employing an iris developed in Sharp theatre projectors. (1200:1 for the PG-MB60X)

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**And More Advantages**
The projectors provide better compensation of picture uniformity.

**3x Speed Colour Wheel**
The projectors employ a primary colour wheel with a 3x speed engine, providing much shorter projection time and thus improving colour break-up to an invisible level. Also, the non-contact air bearings for the high-speed rotating colour wheel axle have a longer lifespan as well as reduce noise, especially unpleased high frequencies, and enable quiet operation at 32dB (XG-MB70X) and 30dB (PG-MB60X) in Eco Mode.

**Auto Focus and Power Zoom Lens**
(XG-MB70X)
The XG-MB70X employs auto focus and a power zoom lens, eliminating the hassle of adjusting the picture on the screen. You can start presentations quickly and comfortably. (PG-MB60X employs power focus and a power zoom lens.)

**Short Throw Lens (Optical 1.5X Zoom Lens)**
The newly developed Short Throw Lens achieves 60-inch large screen projection even from the short distance of 1.8m. In addition, the projector can be mounted more flexibly with the 1.5x zoom lens.

### Sealed Optics
![Sealed Optics Diagram]

### DMD™ Panel
![DMD™ Panel Diagram]

### Auto Focus and Power Zoom Lens
![Auto Focus and Power Zoom Lens Diagram]

### Short Throw Lens (Optical 1.5X Zoom Lens)
![Short Throw Lens Diagram]
Network Possibilities

LAN Connection (XG-MB70X only)
Incorporating terminals for LAN connection as standard features, the XG-MB70X enables turning the power on or off and switching inputs without using special software. It is also possible on a network to monitor and control projectors for overall execution.

Intuitive Layout of Buttons and Terminal Layout
For intuitive button layout, essential and frequently used buttons for basic operations, setup and image adjustment are located close together. This layout allows simple setup and operation for anybody. And, a wide variety of AV/PC terminals are effectively placed with colour guidance.

Quick Guide
Any person first using the XG-MB70X/PG-MB60X can quickly set up and use it with just a quick glance at the reference sticker enclosed. Placing the sticker close to operation buttons simplifies basic operation by eliminating the need to check operation manuals.

Remote Access and Management (XG-MB70X only)
Newly developed web browser control* enables remote access and management of the projector without special software. In addition, it sends e-mail to a maximum of five appointed addresses when detecting something wrong such as the lamp going out, unusual heating or cooling fan breakdown.

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 5,700N*.

Digital Keystone Correction compensates for picture distortion

Auto Response Adjust (ARA)

Simple Key Lock and System Lock Function

Enlarge & Freeze

Remote Control with Mouse
Screen displaying presentation software such as PowerPoint® can be easily moved forward/backward and the cursor can be moved by remote control.

Dimensions
Unit: mm

Other Outstanding Features
32dB (XG-MB70X)/30dB (PG-MB60X) Low Noise Level in Eco Mode
True XGA Compatibility/SXGA+ (1,400 x 1,050) Compatible in intelligent compression
sRGB Compatibility
Auto Response Adjust (ARA)
Digital Keystone Correction compensates for picture distortion
Simple Key Lock and System Lock Function
Enlarge & Freeze
Storage Case

* The projected light is a simulated image.
### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>XG-MB70X</th>
<th>PG-MB60X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panels</td>
<td>0.7&quot; DMD</td>
<td></td>
</tr>
<tr>
<td>Number of pixels</td>
<td>786,432 dots (1,024 x 768; h x v)</td>
<td></td>
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<tr>
<td>Resolution</td>
<td>550 TV lines (video input), 750 TV lines (DTV 720P input)</td>
<td></td>
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<tr>
<td>Video/data systems</td>
<td>RGB input signals: SXGA+, SXGA, Mac 21&quot; (in intelligent compression), XGA, SVGA, VGA, VESA, Mac 19&quot;/16&quot;/13&quot;, 15-70 kHz (horizontal), 43-85 Hz (vertical), 12-108 MHz (pixel clock) (plug &amp; play VESA; DDC 1/2B)</td>
<td>RGB input signals: SXGA+, SXGA, Mac 21&quot; (in intelligent compression), XGA, SVGA, VGA, VESA, Mac 19&quot;/16&quot;/13&quot;, 15-70 kHz (horizontal), 43-85 Hz (vertical), 12-108 MHz (pixel clock) (plug &amp; play VESA; DDC 1/2B)</td>
</tr>
<tr>
<td>Lens</td>
<td>1:1.5 power zoom and auto focus with iris</td>
<td>1:1.5 power zoom and auto focus with iris</td>
</tr>
<tr>
<td>Projection size</td>
<td>40” (102 cm) to 300” (762 cm)</td>
<td>40” (102 cm) to 300” (762 cm)</td>
</tr>
<tr>
<td>Projection distance</td>
<td>1.2 – 1.8 m, 100” (254 cm)</td>
<td>1.2 – 1.8 m, 100” (254 cm)</td>
</tr>
<tr>
<td>Luminance</td>
<td>3,000 ANSI lumen in High Brightness Mode (Standard Mode)</td>
<td>2,500 ANSI lumen in High Brightness Mode (Standard Mode)</td>
</tr>
<tr>
<td>Contrast ratio</td>
<td>2,600 ANSI lumen in High Brightness Mode (Eco Mode)</td>
<td>2,000 ANSI lumen in High Brightness Mode (Eco Mode)</td>
</tr>
<tr>
<td>Audio amplifier</td>
<td>2W (mono)</td>
<td></td>
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<tr>
<td>Speakers</td>
<td>4 x 2.85 cm (oval) x 1</td>
<td></td>
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<tr>
<td>Input terminals</td>
<td>Computer RGB / component x 2 (15-pin mini D-sub), video x 1 (RCA), S-video x 1, audio L/R x 1 (3.5 mm mini jack), RS-232C serial x 1 (9-pin mini DIN), USB x 1, LAN x 1 (RJ-45) (XG-MB70X only)</td>
<td>Computer RGB / component x 1 (15-pin mini D-sub), audio L/R x 1 (3.5 mm stereo mini jack)</td>
</tr>
<tr>
<td>Output terminals</td>
<td>Computer RGB / component x 1 (15-pin mini D-sub), audio L/R x 1 (3.5 mm stereo mini jack)</td>
<td></td>
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<tr>
<td>Power source</td>
<td>100-240V AC, 50/60 Hz (Multi-Voltage)</td>
<td></td>
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<tr>
<td>Power consumption</td>
<td>370W (Standard Mode), 320W (Eco Mode), 6W (Standby) with AC 100V/240V</td>
<td>270W (Standard Mode), 220W (Eco Mode), 5W (Standby) with AC 100V/240V</td>
</tr>
<tr>
<td>Heat dissipation</td>
<td>1,390 BTU/hour (Standard Mode), 1,200 BTU/hour (Eco Mode) with AC 100V/240V</td>
<td>1,015 BTU/hour (Standard Mode), 960 BTU/hour (Eco Mode) with AC 100V/240V</td>
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<tr>
<td>Fan noise</td>
<td>35 dB (Standard Mode), 32 dB (Eco Mode)</td>
<td>35 dB (Standard Mode), 30 dB (Eco Mode)</td>
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<tr>
<td>Projection lamp</td>
<td>275W</td>
<td>200W</td>
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<tr>
<td>Lamp life*1</td>
<td>2,000 hours (Standard Mode) / 3,000 hours (Eco Mode)</td>
<td></td>
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<tr>
<td>Dimensions (W x H x D)</td>
<td>310 x 89 x 282 mm (main body only), 310 x 104 x 287 mm (including adjuster legs and lens)</td>
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<tr>
<td>Weight</td>
<td>4.1 kg</td>
<td>4.0 kg</td>
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*Design and specifications are current as of November 2004, but are subject to change without notice.

* Pixelworks ICs are used in this projector.