Highly Reliable Projectors Delivering Superior Picture Quality with High Luminance and Contrast Plus 3D

Conference Series

the SHARP experience  see what happens

SHARP
Cutting Edge DLP® Technology

DLP® System
The XGPH80XN and XGPH80WN use a DLP® system for the display device that controls the DLP® chip, which contains many thousands of micromirrors on the silicon chip, reflecting light to display images.

Requirements for Viewing 3D
1) Source device that supports the field sequential format. Refer to the Compatibility Chart on the back page for information on supported signals.
2) 3D LCD shutter glasses that support the DLP® Link™ system
3) 3D LCD projector that supports the DLP® Link™ system

High-Quality Picture

6,300 ANSI Lumen*1 (XGPH80XN)/5,600 ANSI Lumen*1 (XGPH80WN)
High Brightness with Unique Dual-Lamp System
With Sharp’s advanced DLP® Optical Engine and dual 280 W high-brightness lamps, the projectors achieve a high brightness of 6,300 ANSI lumens*1 for the XGPH80XN and 5,600 ANSI lumens*1 for the XGPH-80WN, delivering excellent uniformity for bright clear images in large highly lit rooms.

4-Mode Single/Dual Lamp Switchover
Choose the lamp arrangement to suit your needs. With dual-lamp projection, the XGPH80XN delivers high-luminance pictures in a huge room: 6,300 ANSI lumens*1 in Normal mode and 5,175 ANSI lumens*1 in Eco mode. Even single-lamp projection provides sufficient brightness for mid-size to large rooms: 3,150 ANSI lumens*1 in Normal mode and 2,585 ANSI lumens*1 in Eco mode. Single-lamp use also lessens lamp replacement frequency. Plus, even if one lamp burns out, projection performance can be maintained by using the other lamp without interruption.

6,300 ANSI lumen*1 image with two lamps (XGPH80XN)
3,150 ANSI lumen*1 with single lamp (XGPH80XN)

BrilliantColor™ Technology with Optional Six-Segment Colour Wheel*4
The standard colour wheel can be easily replaced by the user with an optional Six-Segment Colour Wheel to enjoy BrilliantColor™. BrilliantColor™ technology improves picture brilliance particularly for intermediate colours, providing natural, detailed images. Sharp has also developed a 2x Speed Colour Wheel with six colour segments including yellow, cyan, red, green, blue, and magenta. With 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, magenta)*4

Sealed Optics
The optical mechanism of DLP® system projectors is sealed in its structure, preventing dust, dirt and smoke from entering core parts of the optics to a much greater degree than with LCD projectors.

Dynamic Black™ Technology
Dynamic Black™ technology dramatically improves black levels, providing incredible details in dark scenes with no noise and no loss of brightness.

Long-Life High-Performance DLP® Chip
DLP® chip formation with finely structured mirrors provides stable performance and delivers high-quality pictures for longer periods. The DLP® chip in the XGPH80XN/XGPH80WN achieves a lifetime of 20,000 hours.4
Also, 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.

2100:1*3 High Contrast with Dynamic Black™ for Big-Screen Projection
The DLP® optical system prevents light leakage compared with LCD projection and provides sharper blacks in black parts and a high contrast ratio of 2100:1.4

Requirements for Viewing 3D
1) Source device that supports the field sequential format.
2) 3D LCD projector that supports the DLP® Link™ system
3) 3D LCD shutter glasses that support the DLP® Link™ system

* A picture simultaneously projected from more than two projectors may not appear 3D.
* For additional information about the DLP® Link™, visit: http://www.dlp.com/projector/dlp-innovations/3d-ready.aspx

*1 To be announced.

3D Ready
Make sure your projector is ready to be used for new 3D content. Incorporating DLP® Link™ technology, the projector captivates audiences with breathtaking 3D imagery.

High-Brightness DLP® Picture Quality Plus 3D Image Compatibility — Ideal Projectors for Large and Mid-sized Business Venues and Education Situations
Flexible Installation System

Powered Vertical/Horizontal Lens Shift Control
The powered lens shift control mechanism enables easy horizontal and vertical lens shift positioning whether from a remote control or the projector operation panel to get the best viewing picture when the projector is mounted on a shelf or the ceiling.

Five Interchangeable Lenses
The XGPH80XN and XGPH80WN may be used with five optional interchangeable lenses to meet a wide variety of applications and projection situations. The lenses cover projection distances from 1.6 m to 16.9 m for the XGPH80XN and 1.7 m to 17.9 m for the XGPH80WN with a 100” screen and projection of a screen from 40” to 500”. Choose the one which best suits your projection conditions such as the room size, projection distance and projected picture size.

Quick Lens Change
The lens can be easily and quickly removed from the front of the projector.*5

*5 Do not attempt to change the lens when the projector is installed hanging from the ceiling. Injury may occur if the lens cover or lens falls.

Anti-Theft Screw
For added security, an anti-theft screw is supplied to secure the lens more tightly.

Sharp’s 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.

PJLink™ Capability
The XGPH80XN and XGPH80WN are 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 XGPH80XN and XGPH80WN provide superior compatibility with various control systems such as Crestron, AMX and Extron.

Presentation Convenience

Low Fan Noise (Eco + Quiet mode)
The intelligent multiple-fan control system eliminates annoying sound during presentations and meetings.

Remote Control with PowerPoint® Control
Slides displayed using presentation software such as PowerPoint® can be easily moved forward and backward.

Presentation Support Tools
(3D Mode, Freeze, AV Mute)

Wide Range of Connection Terminals
These projectors are equipped with a wide variety of AV/PC terminals including HDCP compliant DVI terminals to meet the needs of digital content.

Other Outstanding Features

Direct Power Off Function
The Direct Power Off Function provides convenience for a variety of applications by keeping the cooling fan operating even after the power supply has been turned off. This lets users immediately unplug the projector and take it from the location because there is no need to wait for the projector to cool down. Along with Direct Power Off, the Auto Restart also helps control the power simultaneously for multiple projectors by using the room’s primary power switch.

Video Noise Reduction
Reduces picture blur and provides clear pictures.

Scaling
Helps to provide a high-quality image.

- High-Speed Auto Response Adjust (ARA)
- Easy-to-Use Pull-Down Menu GUI (Graphical User Interface): 15 languages selectable
- High-Quality Video Circuits (50 Y/C Separation Digital Comb Filter, Noise Reduction, Colour Transient and Y Delay, Colour Temperature Adjustment)
- Auto Search
- Image Capture
- Keypad Lock
- Security Lock
- Easy-Carry Handle
- 12 V Trigger Terminal
- Full-Function Remote Control
**Optional Accessories Compatible with XGA/WXGA Models**

### Lenses

<table>
<thead>
<tr>
<th>Lens Code</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANPH080EX</td>
<td>Fixed wide lens</td>
<td>13.6 mm (0.53&quot;) 1.7 f/2.1</td>
</tr>
<tr>
<td>ANPH018EZ</td>
<td>Wide-screen lens</td>
<td>F1.8 - 2.3 1.7 f/2.8 - 34</td>
</tr>
<tr>
<td>ANPH018EZ</td>
<td>Standard zoom lens</td>
<td>F1.7 - 1.9 1.7 f/28 - 44</td>
</tr>
<tr>
<td>ANPH022EZ</td>
<td>Tele-zoom lens</td>
<td>F1.2 - 2.8 1.7 f/2.2 - 4.4</td>
</tr>
<tr>
<td>ANPH045EZ</td>
<td>Tele-zoom lens</td>
<td>F1.2 - 5.1 1.7 f/2.3 - 6.3</td>
</tr>
</tbody>
</table>

### Lamp

- **ANPH080LP**: 39W, 2,800 ANSI lumens*1 (single-lamp operation), 5,600 ANSI lumens*1 (dual-lamp operation)
- **ANPH080CW**: 52W, 3,150 ANSI lumens*1 (single-lamp operation), 6,300 ANSI lumens*1 (dual-lamp operation)

### Colour wheel

- **ANPH018EZ**: 3.5 - 3.6 mm (147.4 - 153.7")
- **ANPH022EZ**: 5.9 - 7.0 mm (230.4 - 276.0")
- **ANPH045EZ**: 9.1 - 11.0 mm (354.7 - 437.8")

### Cable

- **ANC2CP2**: 3 RCA to 15-pin D-sub cable (3 m)

---

**Dimensions (Units: mm)**

### Front View

- **Width**: 385 mm (15.18")
- **Height**: 194 mm (7.64")
- **Depth**: 87 mm (3.43")

### Back View

- **Height**: 200 mm (7.87")
- **Depth**: 185 mm (7.28")
- **Height**: 200 mm (7.87")

### Top View

- **Height**: 170 mm (6.7")
- **Depth**: 170 mm (6.7")
- **Height**: 170 mm (6.7")

---

**Model Comparison**

- **XGPH80XN**
  - Compatible with DLP® Link™ Technology
  - 0.7 DLP chip x 1
  - WXGA (1024 x 768)
  - 5,300 ANSI lumens**1 (dual-lamp operation)
  - 5,100 ANSI lumens**1 (single-lamp operation)
  - F1.8 - 2.3

- **XGPH80WN**
  - WXGA (1024 x 768)
  - 5,300 ANSI lumens**1 (dual-lamp operation)
  - 5,100 ANSI lumens**1 (single-lamp operation)
  - F1.8 - 2.3

---

**Technical Specifications**

- **Luminance**: 3,150 ANSI lumens*1 (single-lamp operation), 6,300 ANSI lumens*1 (dual-lamp operation)
- **Contrast Ratio**: 2,100:1 (Dynamic Black™ on), 1,000:1 (Dynamic Black™ off)
- **Input Signals**: Computer RGB, component, DVI-D/HDCP, HDMI, CVBS, S-Video, YPbPr, YCbCr, RGB parallel, RGB serial
- **Output Signals**: Computer RGB

---

**Limited Warranty**

- **3 Years Parts and Labour including 3 Years "ER" 24-Hour Turnaround Express Repair support. (90 day warranty on user-replaceable projection lamp.)**

---

**Additional Notes**

- *1: With DLP® Link™ Technology
- *2: Movement range of the power lens shift varies depending on the lens type.
- *3: Estimated lamp life may vary depending on usage conditions.