CP-X8160 LCD Projector

Convenient and easy to use installation projector with advanced technology and 6,000 ANSI lumens brightness in a low profile design.

Key Features
- XGA 1024 x 768 resolution
- 6,000 ANSI lumens white/color output
- 16 watt audio output
- 3000:1 contrast ratio
- HDMI 2 inputs
- 3,000 hours lamp life (Eco mode)*
- 20,000 hours hybrid filter**
- Quick Connection iPad App

Hitachi’s installation-friendly CP-X8160 LCD projector is designed to provide maximum presentation impact in mid to large venue applications. It offers a versatile array of innovative, performance-enhancing features along with advanced video display technology providing bold, brilliant colors with incredible image clarity and uniformity. Plus, with motorized zoom, focus and superior lens shift, and a variety of lens options, the CP-X8160 is at the top of its class when it comes to installation flexibility. All this, and with a lower cost of ownership. For added peace of mind, Hitachi’s CP-X8160 is also backed by a generous warranty and our world-class service and support programs.
**UNIQUE FEATURES**

**Center Lens Design**
This feature makes it easy to align the projector with the center of the screen for faster and trouble-free setup.

**DICOM® Simulation Mode**
Images in DICOM (Digital Imaging and Communications in Medicine) Mode are reproduced with an advanced grayscale level. This mode is ideal for viewing grayscale medical images such as X-rays, and for training and educational purposes. These projectors are not approved medical devices. They should not be used for actual medical diagnosis.

**Motorized Zoom, Focus and Lens Shift Control**
Allows for greater range of installation possibilities. With the motorized function you can make fine adjustments through the remote control or RS232/IP device.

**Multiple Lens Options**
In addition to the one ML703 middle throw standard lens, four optional lenses are available: FL701 fixed; SL702 short throw; LL704 long throw; and UL705 ultra-long throw.

**Perfect Fit 2**
Enables the user to adjust individual corners and sides independent of one another. Perfect Fit 2 provides vertical and horizontal digital correction of either barrel or pin cushion distortions. This feature helps correct geometric and complicated distortions. Perfect Fit 2 allows the projected image to fit correctly to the screen quickly and easily.

**Projector Quick Connection iPad® App**
Our iOS application offers full projector control and also provides the capability to display photos, document files and web site contents. Available for iPad® and iPhone® devices. Works over your LAN via your RJ-45 port or via an optional USBWL11N wireless adapter.

**360° Rotation**
Display rotation of 360° for creative applications and greater installation flexibility.

**Status Monitor**
With Hitachi’s status monitor, you’ll have access in real time to projector diagnostics. Status updates include configuration information, maintenance history, as well as error and alarm messaging. For even greater user convenience, the status monitor can be accessed on the rear input panel or through the Hitachi network tools software.

**STANDARD FEATURES**

**MyButton**
Four customizable buttons on the remote control allow users to create a shortcut for projector functions such as Information, Auto Keystone, Picture Mode etc.

**Network Control, Maintenance and Security**
Embedded networking gives you the ability to manage and control multiple projectors over your LAN. Features include scheduling of events, centralized reporting, image transfer and e-mail alerts for reactive and routine maintenance.

**PC-Less Presentation**
By using a USB memory stick or other storage device, you can use the projector without a computer. Menus are easy to see with a thumbnail display. Additionally there is also a slideshow function.

**PIN Lock / MyScreen / MyText**
PIN lock protection can limit projector users. MyScreen PIN lock keeps captured images on the startup screen. Users can set any name logo to MyScreen, clearly identifying ownership. MyText provides the ability to write text on the startup screen such as model name, serial number or location.

**PJMessenger**
PJMessenger function allows you to send and display text messages and audio alerts on your networked projectors. It is an easy and efficient way to send announcements out to multiple units.

**Present Content via LAN**
Hitachi’s suite of networking software allows you to easily send content directly from your PC to the projector via your LAN connection.

**Wireless Presentation Ready**
You can use a wireless network by connecting the projector to a computer using the optional USB wireless adapter part number USBWL11N. The adapter supports IEEE802.11b/g and the latest 11n.

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Quality, reliability and installation convenience.

From mid-size to very large auditoriums and conference halls, Hitachi’s CP-X8160 LCD projector is the perfect solution. With 6,000 ANSI lumens brightness and XGA 1024 x 768 resolution, the CP-X8160 will deliver dynamic images guaranteed to dazzle any audience. Incorporating Hitachi’s leading-edge technology, the CP-X8160 features high contrast ratio, long lamp life, a variety of lens options to accommodate your specific application, and is wireless presentation ready. Plus, embedded networking gives you the ability to manage and control multiple projectors over your LAN (scheduling of events, centralized reporting, image transfer, and e-mail alerts). Even with the array of advanced features, Hitachi’s CP-X8160 is designed for user-friendly operation and installation convenience.
**CP-X8160 LCD Projector**

**Accessories and Lenses**

**Supplied Accessories**
- Remote control, power cord, computer cable, one standard ML703 lens, lens cover, user’s manual, security label, application CD, adapter cover

**Optional Accessories**
- USBWL11N USB wireless adapter, MS-1 wired multifunction switcher, MS-1WL wireless multifunction switcher

**Optional Lenses**
- 4 optional lenses are available: FL701, SL702, LL704, UL705

**Replacement Parts**
- **Lamp** DT01291
- **Remote Control** HL02801
- **Filter** UX38241

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**Specifications**

**Display**
- **Projection Technology** 3LCD, 3 chip technology
- **Resolution** XGA 1024 x 768
- **White Light Output** 6,000 ANSI lumens
- **Color Light Output** 6,000 ANSI lumens
- **Colors** 16.7 million colors
- **Aspect Ratio** Native 4:3 / 16:9 and 16:10 compatible
- **Contrast Ratio**
  - Standard mode: 3000 : 1 (using active IRIS)
  - Eco mode: approximately 3,000 hours
- **Throw Ratio**
  - (distance : width) 1.5 - 3.0 : 1 (with standard lens)

**Lens & Operation**
- **Lens**
  - f = 24 - 48 mm (with standard lens)
  - 2.0 motorized zoom, focus & lens shift
- **Lamp Wattage** 330W
- **Expected Lamp Life**
  - Approximately 2,500 hours (standard mode)
  - 3,000 hours (Eco mode)
- **Expected Filter Life**
  - Approximately 20,000 hours
- **Speaker Output** 16W (8W x 2 stereo)
- **Keystone**
  - H and V: +/- 35º (with standard lens)

**Compatibility**
- **Computer**
  - VGA, SVGA, XGA, WXGA/WXGA+/SXGA/SXGA+/UXGA (compressed), MAC 16"
- **H-Sync**
  - 31.5 kHz - 106 kHz
- **V-Sync**
  - 56 Hz - 120 Hz
- **Composite Video**
  - NTSC, NTSC4.43, PAL, PAL-M, -N, SECAM
- **Component Video**
  - 480i, 480p, 576i, 720p, 1080i, 1080p
- **HDMI**
  - 480i, 480p, 576i, 720p, 1080i, 1080p
  - Computer signal TMDS clock 27 MHz - 150 MHz

**Connectors**
- **Digital Input**
  - HDMI x 2 (HDCP compliant)
- **Computer Input 1**
  - 15-pin mini D-sub x 1
- **Computer Input 2**
  - BNC x 5
- **Computer Monitor Output**
  - 15-pin mini D-sub x 1
- **Video Input**
  - S-Video: Mini DIN 4-pin x 1
  - Component Video: RCA jack x 1
  - Component Video: RCA jack x 3, 15-pin mini D-sub x 1 (shared with computer in 1)
  - BNC x 3 (shared with computer in 2)
- **Audio Input**
  - 3.5 mm stereo mini jack x 2, RCA jack (L/R) x 1
- **Audio Output**
  - RCA jack (L/R) x 1
- **Network LAN Wired**
  - RJ-45 port (100 base-T / 100 base-TX)
- **Network LAN Wireless**
  - USB-A, IEEE802.11 b/g/n - optional wireless adapter required
- **USB**
  - Type A x 2 (PC-less presentation, wireless adapter)
  - Type B x 1 (USB display or mouse control)

**Rated & Warranty**
- **Power Supply**
  - AC100-120V / AC220-240V, 50/60Hz
- **Power Consumption**
  - 480W
- **Operating Temperature**
  - 32°F - 113°F (0°C - 45°C)
- **Dimensions (W x D x H)**
  - 19.6” x 15.6” x 5.3” without lens
- **Weight**
  - Approximately 19.0 lbs.
- **Approvals**
  - UL 60950-1 / cUL, FCC Part 15 subpart B class A
- **Warranty**
  - 3 year limited parts and labor
  - Extended Service Contract available (additional cost)

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**Hitachi America, Ltd.**
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Web: hitachi-america.us/projectors

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**Projection Throw Chart**

<table>
<thead>
<tr>
<th>Screen Size 4:3</th>
<th>Throw Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diagonal</td>
<td>Width</td>
</tr>
<tr>
<td>30</td>
<td>24</td>
</tr>
<tr>
<td>60</td>
<td>48</td>
</tr>
<tr>
<td>80</td>
<td>64</td>
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<td>150</td>
<td>120</td>
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<td>200</td>
<td>160</td>
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<tr>
<td>250</td>
<td>200</td>
</tr>
<tr>
<td>300</td>
<td>240</td>
</tr>
</tbody>
</table>

**Projection Lens Chart**

<table>
<thead>
<tr>
<th>Lens</th>
<th>Inches</th>
<th>Meters</th>
</tr>
</thead>
<tbody>
<tr>
<td>ML703</td>
<td>122 - 242</td>
<td>3.1 - 6.2</td>
</tr>
<tr>
<td>FL701</td>
<td>66</td>
<td>1.7</td>
</tr>
<tr>
<td>SL702</td>
<td>97 - 145</td>
<td>2.5 - 3.7</td>
</tr>
<tr>
<td>LL704</td>
<td>231 - 392</td>
<td>5.9 - 10.0</td>
</tr>
<tr>
<td>UL705</td>
<td>390 - 667</td>
<td>10.0 - 16.9</td>
</tr>
</tbody>
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