



**Revitalize Communication with 4,000-lm-class  
XGA Portable Laser Projectors**

# PT-LMX420

4,000-lm-class SOLID SHINE Laser Projectors Revitalize  
Communication with WUXGA Images

## Key Features

Effortless Projection Anywhere, Anytime

Efficient, Reliable, and Cost-Effective

SOLID SHINE for Clear Images in Bright Light



## PT-LMX420

<https://ap.pnd.panasonic.com/hk/en/pt-lmx420>

|                                                                 |                                                                                                                                      |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Projector type</b>                                           | LCD projectors                                                                                                                       |
| <b>Display method</b>                                           | Transparent LCD panel (x 3, R/G/B)                                                                                                   |
| <b>Display Device -&gt; Panel size</b>                          | 16.0 mm (0.63 in) diagonal (4:3 aspect ratio)                                                                                        |
| <b>Display Device -&gt; Drive method</b>                        | Active matrix method                                                                                                                 |
| <b>Display Device -&gt; Number of pixels</b>                    | 786,432 (1024 x 768) pixels                                                                                                          |
| <b>Light source</b>                                             | Laser diodes                                                                                                                         |
| <b>Light output *2</b>                                          | 4,200 lm                                                                                                                             |
| <b>Light output (ANSI) *3</b>                                   | 4,200 lm                                                                                                                             |
| <b>Time until light output declines to 50 % -&gt; NORMAL *5</b> | 20,000 hours [NORMAL]                                                                                                                |
| <b>Time until light output declines to 50 % -&gt; ECO *5</b>    | 24,000 hours [ECO]                                                                                                                   |
| <b>Time until light output declines to 50 % -&gt; QUIET</b>     | 20,000 hours [QUIET]                                                                                                                 |
| <b>Resolution</b>                                               | XGA (1024 x 768 pixels)                                                                                                              |
| <b>Contrast Ratio (typ.) *2</b>                                 | 3,000,000:1 (Full On/Full Off)(When [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] is set to [1].)                        |
| <b>Screen size (diagonal)</b>                                   | 0.76-7.62 m (30-300 in), 4:3 aspect ratio                                                                                            |
| <b>Center-to-corner zone ratio *2</b>                           | 85%                                                                                                                                  |
| <b>Lens</b>                                                     | 1.2x manual zoom (throw ratio: 1.47-1.77:1), manual focus lens, F 1.61-1.76, f 19.1-23.0 mm                                          |
| <b>Digital Zoom Extender</b>                                    | Throw ratio: 1.47-2.22:1*5 (Corresponding value. When used together with optical zoom.)                                              |
| <b>Keystone correction range</b>                                | Vertical: ±35 ° (Auto, Manual),<br>Horizontal: ±35 ° (Manual)                                                                        |
| <b>Installation</b>                                             | Ceiling/floor, front/rear, free 360-degree installation                                                                              |
| <b>Terminals -&gt; HDMI™ IN</b>                                 | HDMI™ 19-pin x 2 (Compatible with HDCP 1.4, Deep Color, 4K/30p*6 signal input), CEC supported*7                                      |
| <b>Terminals -&gt; COMPUTER IN (D-SUB 15pin)</b>                | D-sub 15-pin (female) x 1 (RGB/YPbPr/YCbCr)                                                                                          |
| <b>Terminals -&gt; COMPUTER OUT (D-SUB 15pin)</b>               | D-sub 15-pin (female) x 1 (RGB/YPbPr/YCbCr)                                                                                          |
| <b>Terminals -&gt; AUDIO IN(M3 Stereo Mini Jack)</b>            | M3 stereo mini-jack x 2                                                                                                              |
| <b>Terminals -&gt; AUDIO OUT(M3 Stereo Mini Jack)</b>           | M3 stereo mini-jack x 1                                                                                                              |
| <b>Terminals -&gt; SERIAL IN</b>                                | D-sub 9-pin (female) x 1 for computer control (RS-232C compliant)                                                                    |
| <b>Terminals -&gt; LAN</b>                                      | RJ-45 x 1 for network control, 10Base-T, 100Base-TX                                                                                  |
| <b>Terminals -&gt; USB TYPE A</b>                               | USB connector (Type A) x 1 for Memory Viewer function, optional AJ-WM50 Series Wireless Module, power supply (DC 5 V, maximum 2 A*8) |
| <b>Protocol versions</b>                                        | IPv4, IPv6*9                                                                                                                         |
| <b>Power supply</b>                                             | AC 100 V-240 V, 50/60 Hz                                                                                                             |
| <b>Maximum power consumption</b>                                | 230 W                                                                                                                                |
| <b>On-mode power consumption(Operating mode) &gt; Normal</b>    | [NORMAL]<br>205 W (100-240 V),<br>195 W (200-240 V)                                                                                  |
| <b>On-mode power consumption(Operating mode) &gt; Eco</b>       | [ECO]<br>155 W (100-240 V),<br>145 W (200-240 V)                                                                                     |
| <b>On-mode power consumption(Operating mode) &gt; Quiet</b>     | [QUIET]<br>150 W (100-240 V),<br>145 W (200-240 V)                                                                                   |
| <b>Built-in speaker</b>                                         | 10 W monaural                                                                                                                        |
| <b>Cabinet materials</b>                                        | Molded plastic                                                                                                                       |
| <b>Filter</b>                                                   | Included                                                                                                                             |
| <b>Estimated filter maintenance cycle *3</b>                    | Approx. 20,000 hours                                                                                                                 |
| <b>Operation noise -&gt; Normal *2</b>                          | 33 dB [NORMAL]                                                                                                                       |
| <b>Operation noise -&gt; Eco *2</b>                             | 33 dB [ECO]                                                                                                                          |
| <b>Operation noise -&gt; Quiet</b>                              | 23 dB [QUIET]                                                                                                                        |
| <b>Body Colour</b>                                              | White                                                                                                                                |
| <b>Dimensions (W x H x D)</b>                                   | 349 mm x 105 mm x 309 mm (13 3/4" x 4 1/8" x 12 5/32" ) (with feet at shortest position)                                             |
| <b>Dimensions -&gt; Width (including protruding parts)</b>      | 349 mm (13 3/4")                                                                                                                     |
| <b>Dimensions -&gt; Height (including protruding parts)</b>     | 105 mm (4 1/8")                                                                                                                      |

|                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dimensions -&gt; Depth (including lens)</b>                          | 309 mm (12 5/32")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Gross Dimensions (W x H x D in mm)</b>                               | LMX420EJ: 507 x 402 x 222 mm<br>LMX420: 497 x 392 x 210 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Weight *4</b>                                                        | Approx. 4.2 kg (9.26 lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gross Weight (Kg)</b>                                                | LMX420EJ: 7.4 kg(16.3 lbs)<br>LMX420: 6.6 kg(14.6 lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Operating environment -&gt; Operating temperature</b>                | 0-45 °C (32-113 °F)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Operating Environment -&gt; Operating humidity (No condensation)</b> | 20-80 % (no condensation)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Applicable software</b>                                              | Multi Monitoring & Control Software, Projector Network Setup Software, Logo Transfer Software, Presenter Light Software for Windows®*14, Wireless Projector App for iOS/Android™*15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>NFC</b>                                                              | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Control function via LAN</b>                                         | PJLink™ [Class 2], Crestron Connected™, AMX Device Discovery                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>EAN</b>                                                              | LMX420: 5025232931620<br>LMX420EJ: 5025232931637                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Lens shift -&gt; Vertical(from center of screen)</b>                 | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Lens shift -&gt; Horizontal(from center of screen)</b>               | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Terminals -&gt; SDI IN</b>                                           | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Terminals -&gt; DVI-D IN</b>                                         | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Terminals -&gt; DisplayPort™ IN</b>                                  | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Terminals -&gt; DIGITAL LINK IN / LAN</b>                            | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Active 3D</b>                                                        | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>SDM</b>                                                              | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Footnote Description</b>                                             | <ol style="list-style-type: none"> <li>1. When [PICTURE MODE] is set to [DYNAMIC], [LIGHT POWER] is set to [NORMAL], [DAYLIGHT VIEW] is set to [OFF], and [AUTO POWER SAVE] is set to [OFF].</li> <li>2. Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped.</li> <li>3. Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped.</li> <li>4. Around this time, light output will have decreased to approximately 50 % of its original level ([PICTURE MODE]: [DYNAMIC], [DYNAMIC CONTRAST] set to [2], temperature 30 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m3 of particulate matter). Estimated time until light output declines to 50 % varies depending on environment.</li> <li>5. Resolution decreases when using this function. V/H Keystone Correction and curved-screen correction are not available when using this function, and range of corner adjustment is limited.</li> <li>6. When Digital Zoom Extender is set to 80 %.</li> <li>7. 4K signals are converted to the projector's resolution upon projection.</li> <li>8. Depending on the connected CEC command-compatible device, the link control may not operate normally.</li> <li>9. On standby, power supply is available with Quick Startup set to ON or Power Management set to Ready.</li> <li>10. Main projector firmware must be Ver. 2.00 or later. The optional AJ-WM50 Series Wireless Module does not support IPv6.</li> <li>11. Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. On-mode power consumption measured at 25 °C (77 °F) operating temperature at an altitude of 700 m (2,297 ft).</li> <li>12. Filter cleaning cycle varies depending on environment. Filter can be washed and reused up to two times. Filter cleaning cycle: 20,000 hours (under dust conditions of 0.08 mg/m3), 10,000 hours (under dust conditions of 0.15 mg/m3).</li> <li>13. Average value. May differ depending on the actual unit.</li> <li>14. Light output is limited at operating temperatures higher than 30 °C (86 °F), and projectors cannot be operated at altitudes higher than 2,700 m (8,858 ft) above sea level. When optional AJ-WM50 Series Wireless Module is attached, operating temperature range becomes 0-40 °C (32-104 °F).</li> <li>15. When using Presenter Light Software, images are projected with 1280 x 800 dots or 1024 x 768 dots onto the screen. Also, your PC display resolution may be forcibly changed, and audio playback disrupted or become noisy, while images and sound are being transmitted.</li> <li>16. When using the Wireless Projector app, display resolution differs depending on your iOS/Android™ device and the display device. The maximum supported display resolution is WXGA (1280 x 800).</li> </ol> |