



**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**

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Effortless Projection Anywhere, Anytime

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Efficient, Reliable, and Cost-Effective

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SOLID SHINE for Clear Images in Bright Light

# PT-LMX420

<https://ap.connect.panasonic.com/id/en/products/projectors/pt-lmx420>

Projector type	LCD projectors
Display method	Transparent LCD panel (x 3, R/G/B)
Display Device -> Panel size	16.0 mm (0.63 in) diagonal (4:3 aspect ratio)
Display Device -> Drive method	Active matrix method
Display Device -> Number of pixels	786,432 (1024 x 768) pixels
Light source	Laser diodes
Light output *1	4,200 lm
Light output (ANSI)	4,200 lm
Time until light output declines to 50 % -> NORMAL *3	20,000 hours [NORMAL]
Time until light output declines to 50 % -> ECO *3	24,000 hours [ECO]
Time until light output declines to 50 % -> QUIET *6	20,000 hours [QUIET]
Resolution	XGA (1024 x 768 pixels)
Contrast Ratio (typ.) *1	3,000,000:1 (Full On/Full Off)(When [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] is set to [1].)
Screen size (diagonal)	0.76–7.62 m (30–300 in), 4:3 aspect ratio
Center-to-corner zone ratio *1	85%
Lens	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
Digital Zoom Extender *5	Throw ratio: 1.47–2.22:1*5 (Corresponding value. When used together with optical zoom.)
Keystone correction range	Vertical: ±35 ° (Auto, Manual), Horizontal: ±35 ° (Manual)
Installation	Ceiling/floor, front/rear, free 360-degree installation
Terminals -> HDMI™ IN	HDMI™ 19-pin x 2 (Compatible with HDCP 1.4, Deep Color, 4K/30p*6 signal input), CEC supported*7
Terminals -> COMPUTER IN (D-SUB 15pin)	D-sub 15-pin (female) x 1 (RGB/YPbPr/YCbCr)
Terminals -> COMPUTER OUT (D-SUB 15pin)	D-sub 15-pin (female) x 1 (RGB/YPbPr/YCbCr)
Terminals -> AUDIO IN (M3 Stereo Mini Jack)	M3 stereo mini-jack x 2
Terminals -> AUDIO OUT (M3 Stereo Mini Jack)	M3 stereo mini-jack x 1
Terminals -> SERIAL IN	D-sub 9-pin (female) x 1 for computer control (RS-232C compliant)
Terminals -> LAN	RJ-45 x 1 for network control, 10Base-T, 100Base-TX
Terminals -> USB TYPE A	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)
Protocol versions	IPv4, IPv6*9
Power supply	AC 100 V–240 V, 50/60 Hz
Maximum power consumption	230 W
On-mode power consumption (Operating mode) -> Normal	[NORMAL] -> 205 W (100–240 V), 195 W (200–240 V)
On-mode power consumption (Operating mode) -> Eco	[ECO] -> 155 W (100–240 V), 145 W (200–240 V)
On-mode power consumption (Operating mode) -> Quiet *8	[QUIET] -> 150 W (100–240 V), 145 W (200–240 V)
Built-in speaker	10 W monaural
Cabinet materials	Molded plastic
Filter	Included
Estimated filter maintenance cycle	Approx. 20,000 hours
Operation noise -> Normal *1	33 dB [NORMAL]
Operation noise -> Eco *3	33 dB [ECO]
Operation noise -> Quiet *1	23 dB [QUIET]
Dimensions (W x H x D)	349 mm x 105 mm x 309 mm (13 3/4" x 4 1/8" x 12 5/32") (with feet at shortest position)
Dimensions -> Width (including protruding parts)	349 mm (13 3/4")
Dimensions -> Height (including protruding parts)	105 mm (4 1/8")
Dimensions -> Depth (including lens)	309 mm (12 5/32")
Weight *7	Approx. 4.2 kg (9.26 lbs)
Operating environment -> Operating temperature *8 *9	0–45 °C (32–113 °F)
Operating Environment -> Operating humidity (No condensation)	20–80 % (no condensation)
Applicable software	Multi Monitoring & Control Software, Projector Network Setup Software, Logo Transfer Software, Presenter Light Software for Windows®*14, Wireless Projector App for iOS/Android™*15
Control function via LAN	PJLink™ [Class 2], Crestron Connected™, AMX Device Discovery

<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>
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<b>Body Colour</b>	White
<b>Gross Dimensions (W x H x D in mm)</b>	LMX420E: 507 x 402 x 222 mm LMX420: 497 x 392 x 210 mm
<b>Gross Weight (Kg)</b>	LMX420E: 7.4 kg(16.3 lbs) LMX420: 6.6 kg(14.6 lbs)
<b>NFC</b>	<a href="https://docs.connect.panasonic.com/projector/products/smartycontrol/regional.html#regional">https://docs.connect.panasonic.com/projector/products/smartycontrol/regional.html#regional</a>
<b>EAN</b>	LMX420: 5025232931620 LMX420E: 5025232931637