



## Revitalize Communication with 4,000-lm-class WUXGA Portable Laser Projectors

# PT-LMW420

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-LMW420

<https://ap.pnd.panasonic.com/ph/en/pt-lmw420>

<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>	16.3 mm (0.64 in) diagonal (16:10 aspect ratio)
<b>Display Device -&gt; Drive method</b>	Active matrix method
<b>Display Device -&gt; Number of pixels</b>	1,024,000 (1280 x 800) pixels
<b>Light source</b>	Laser diodes
<b>Light output *1 *2</b>	4,200 lm
<b>Light output (ANSI)</b>	4,200 lm
<b>Time until light output declines to 50 %</b>	20,000 hours [NORMAL]
-> NORMAL *4	
<b>Time until light output declines to 50 %</b>	24,000 hours [ECO]
-> ECO *4	
<b>Time until light output declines to 50 %</b>	20,000 hours [QUIET]
-> QUIET *4	
<b>Resolution</b>	WXGA (1280 x 800 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), 16:10 aspect ratio
<b>Center-to-corner zone ratio *2</b>	85%
<b>Lens</b>	1.2x manual zoom (throw ratio: 1.36–1.64:1), manual focus lens, F 1.61–1.76, f 19.1–23.0 mm
<b>Digital Zoom Extender *5</b>	Throw ratio: 1.36–2.05:1*5 (Corresponding value. When used together with optical zoom.)
<b>Keystone correction range</b>	Vertical: ±35 ° (Auto, Manual), 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/YP <sub>B</sub> P <sub>R</sub> /YC <sub>B</sub> C <sub>R</sub> )
<b>Terminals -&gt; COMPUTER OUT ( D-SUB 15pin )</b>	D-sub 15-pin (female) x 1 (RGB/YP <sub>B</sub> P <sub>R</sub> /YC <sub>B</sub> C <sub>R</sub> )
<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 *11</b>	230 W
<b>On-mode power consumption(Operating mode) -&gt; Normal *11</b>	[NORMAL] 205 W (100–240 V), 195 W (200–240 V)
<b>On-mode power consumption(Operating mode) -&gt; Eco *11</b>	[ECO] 155 W (100–240 V), 145 W (200–240 V)
<b>On-mode power consumption(Operating mode) -&gt; Quiet *11</b>	[QUIET] 150 W (100–240 V), 145 W (200–240 V)
<b>Built-in speaker</b>	10 W monaural
<b>Cabinet materials</b>	Molded plastic
<b>Filter *12</b>	Included
<b>Estimated filter maintenance cycle</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 *2</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>	LMW420EJ: 507 x 402 x 222 mm LMW420: 497 x 392 x 210 mm
<b>Weight *13</b>	Approx. 4.2 kg (9.26 lbs)

<b>Gross Weight (Kg)</b>	LMW420EJ: 7.4 kg(16.3 lbs) LMW420: 6.6 kg(14.6 lbs)
<b>Operating environment -&gt; Operating temperature *14 *15</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>	LMW420: 5025232931590 LMW420EJ: 5025232931583
<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>