



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

PT-LMZ420

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-LMZ420

<https://ap.connect.panasonic.com/th/en/products/projectors/pt-lmz420>

Projector type	LCD projectors
Display method	Transparent LCD panel (x 3, R/G/B)
Display Device -> Panel size	16.3 mm (0.64 in) diagonal (16:10 aspect ratio)
Display Device -> Drive method	Active matrix method
Display Device -> Number of pixels	2,304,000 (1920 x 1200) pixels
Light source	Laser diodes
Light output ^{*1 *2 *3}	4,200 lm
Light output (ANSI) ^{*4}	4,200 lm
Time until light output declines to 50 % -> NORMAL ^{*6}	20,000 hours [NORMAL]
Time until light output declines to 50 % -> ECO ^{*6}	24,000 hours [ECO]
Time until light output declines to 50 % -> QUIET ^{*6}	20,000 hours [QUIET]
Resolution	WUXGA (1920 x 1200 pixels)
Contrast Ratio (typ.) ^{*3}	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), 16:10 aspect ratio
Center-to-corner zone ratio ^{*3}	85%
Lens	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
Digital Zoom Extender ^{*5}	Throw ratio: 1.36-2.05:1 ^{*5} (Corresponding value. When used together with optical zoom.)
Keystone correction range	Vertical: ±25 °(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 ^{*7}	240 W
On-mode power consumption(Operating mode) -> Normal ^{*8}	[NORMAL] 215 W(100-240 V), 205 W(200-240 V)
On-mode power consumption(Operating mode) -> Eco ^{*8}	[ECO] 165 W(100-240 V), 160 W(200-240 V)
On-mode power consumption(Operating mode) -> Quiet ^{*8}	[QUIET] 160 W(100-240 V), 155 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 ^{*3}	33 dB [NORMAL]
Operation noise -> Eco ^{*3}	33 dB [ECO]
Operation noise -> Quiet ^{*3}	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	Approx. 4.2 kg (9.26 lbs)
Operating environment -> Operating temperature ^{*11}	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

Footnote Description	<p>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].</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>6. When Digital Zoom Extender is set to 80 %.</p> <p>7. 4K signals are converted to the projector's resolution upon projection.</p> <p>8. Depending on the connected CEC command-compatible device, the link control may not operate normally.</p> <p>9. On standby, power supply is available with Quick Startup set to ON or Power Management set to Ready.</p> <p>10. Main projector firmware must be Ver. 2.00 or later. The optional AJ-WM50 Series Wireless Module does not support IPv6.</p> <p>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).</p> <p>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).</p> <p>13. Average value. May differ depending on the actual unit.</p> <p>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).</p> <p>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.</p> <p>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).</p>
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Body Colour	White
Gross Dimensions (W x H x D in mm)	LMZ420U/LMZ420EJ: 507 x 402 x 222 mm LMZ420: 497 x 392 x 210 mm
Gross Weight (Kg)	LMZ420EJ: 7.4 kg(16.3 lbs) LMZ420U: 7.2 kg(16.0 lbs) LMZ420: 6.6 kg(14.6 lbs)
NFC	https://docs.connect.panasonic.com/projector/products/smartpjcontrol/regional.html#regional
EAN	LMZ420: 5025232931545 LMZ420EJ: 5025232931552