Panasonic



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

- Effortless Projection Anywhere, Anytime
- Efficient, Reliable, and Cost-Effective
- SOLID SHINE for Clear Images in Bright Light

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https://ap.pnd.panasonic.com/th/en/pt-lmw420

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	1,024,000 (1280 x 800) 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	WXGA (1280 x 800 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 *7	Throw ratio: 1.36–2.05:1*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/YP_BP_R/YC_BC_R)
Terminals -> COMPUTER OUT（D-SUB 15pin）	D-sub 15-pin (female) x 1 (RGB/YP_BP_R/YC_BC_R)
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	230 W
On-mode power consumption(Operating mode) -> Normal *8	[NORMAL] 205 W (100–240 V), 195 W (200–240 V)
On-mode power consumption(Operating mode) -> Eco *8	[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 *3	33 dB [NORMAL]
Operation noise -> Eco *3	33 dB [ECO]
Operation noise -> Quiet *3	23 dB [QUIET]
Body Colour	White
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″)
Gross Dimensions (W x H x D in mm)	LMW420EJ: 507 x 402 x 222 mm LMW420: 497 x 392 x 210 mm
Weight	Approx. 4.2 kg (9.26 lbs)

Gross Weight (Kg)	LMW420EJ: 7.4 kg(16.3 lbs) LMW420: 6.6 kg(14.6 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
NFC	No
Control function via LAN	PJLink™ [Class 2], Crestron Connected™, AMX Device Discovery
EAN	LMW420: 5025232931590 LMW420EJ: 5025232931583
Lens shift -> Vertical(from center of screen)	—
Lens shift -> Horizontal(from center of screen)	—
Terminals -> SDI IN	—
Terminals -> DVI-D IN	—
Terminals -> DisplayPort™ IN	—
Terminals -> DIGITAL LINK IN / LAN	—
Active 3D	No
SDM	No

Footnote Description

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].
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.
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.
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.
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.
6. When Digital Zoom Extender is set to 80 %.
7. 4K signals are converted to the projector's resolution upon projection.
8. Depending on the connected CEC command-compatible device, the link control may not operate normally.
9. On standby, power supply is available with Quick Startup set to ON or Power Management set to Ready.
10. Main projector firmware must be Ver. 2.00 or later. The optional AJ-WM50 Series Wireless Module does not support IPv6.
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).
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).
13. Average value. May differ depending on the actual unit.
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).
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.
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).