TENTATIVE

PT-CMZ50

Specifications
Main unit

Power supply			AC 100 V–240 V, 50 Hz/60 Hz	
Power consumption[1]	Maximum power consumption		350 W (3.7-1.6 A) (375 VA) (TBD)	
	On-mode power consumption (Light power)	[NORMAL]	320 W (100-240 V), 310 W (200-240 V) (TBD)	* Operating Temperature: 25 ˚C (77 ˚F), Altitude: 700 m (2,297 ft)
		[ECO]	230 W (100-240 V), 220 W (200-240 V) (TBD)	
		[QUIET]	225 W (100-240 V), 215 W (200-240 V) (TBD)	
	Standby mode power consumption	[NORMAL]	20 W (TBD) When [IN STANDBY MODE] in [AUDIO SETTING] is set to [OFF], [QUICK STARTUP] is set to [OFF], and <DC OUT> terminal is not in use.	
		[ECO]	0.5 W (TBD)	
BTU value			Max 1,195 BTU (TBD)	
LCD panel	Size		16.3 mm [0.64 in] diagonal (16:10 aspect ratio)	
	Display system		Transparent LCD panel (x 3, R/G/B)	
	Number of pixels		2,304,000 (1920 x 1200) pixels	
Refresh rate			60 Hz Refresh rate varies depending on scanning frequency.	
Light source			Laser diode	
Light output[1]	Light Power	[NORMAL]	5,200 lm (TBD) 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].	
		[ECO/QUIET]	3,500 lm (TBD)	
Time until light output declines to 50%[2]	Light Power	[NORMAL/ QUIET]	20,000 hours (TBD)	
		[ECO]	24,000 hours (TBD)	
Filter Replacement Cycle			20,000 hours (Under the dust conditions of 0.08mg/m^3) 10,000 hours (Under the dust conditions of 0.15mg/m^3) Filter cleaning cycle varies depending on environment. Filter can be washed and reused up to two times.	
Resolution			WUXGA (1920 x 1200 pixels)	
Contrast ratio[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			2.03-3.05 m [80-120 in], 16:10 aspect ratio (TBD)	
Center to corner zone ratio[1]			85%	
Lens			Fixed zoom, manual focus lens, F = 1.7, f = 2.81 mm, throw ratio: 0.235:1	
Digital Zoom Extender[3]			0.235-0.288[4] (TBD)	
Keystone correction range			Vertical ±3 ° (Auto, Manual), Horizontal ±3 ° (Manual)	
Installation			Ceiling/floor, front/rear, free 360-degree installation	
Built-in speaker			10 W (monaural)	
Compatible Signal	COMPUTER signal input		Video signal resolution: 480i (525i), 576i (625i), 480/60p to 1080/50p Computer signal resolution: 640 x 480 to 1920 x 1200 (non-interlace) Dot clock frequency: 13.5 MHz to 162 MHz	
	HDMI signal input		Video signal resolution: 480/60p, 576/50p to 4096 x 2160/30p (TBD) Computer signal resolution: 640 x 480 to 1920 x 1200 (non-interlace) Dot clock frequency: 27 MHz to 267.3 MHz (TBD)	
	DIGITAL LINK signal input		Video signal resolution: 480/60p, 576/50p to 4096 x 2160/30p (TBD) Computer signal resolution: 640 x 480 to 1920 x 1200 (non-interlace) Dot clock frequency: 27 MHz to 267.3 MHz (TBD)	
Terminals	HDMI 1 IN/ 2 IN		HDMI 19pin x 2 Deep Color, compatible with HDCP 1.4, 4K/30p signal input[5], CEC supported[6] Audio Signal: Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)	
	HDMI OUT		HDMI 19pin x 2 Deep Color, compatible with HDCP 1.4, 4K/30p signal input[5], CEC supported[6] Audio Signal: Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)	
	COMPUTER 1 IN		D-sub 15pin (female) x 1	
		RGB	0.7 V [p-p], 75 ohms (1.0 V [p-p], 75 ohms for sync on G) HD/SYNC, VD: TTL, high impedance, positive/negative automatic	
		YP_BP_R	Y: 1.0 V [p-p], including sync signal, P_B/P_R (C_B/C_R): 0.7 V [p-p], 75 ohms	
	AUDIO IN		M3 stereo mini-jack x 2 0.5 V [rms], input Impedance 22 k Ohms and more	

Terminals	AUDIO OUT	M3 stereo mini-jack x 1 0 V [rms] to 2.0 V [rms] variable, output Impedance 2.2 k ohms and less
	SERIAL IN	D-sub 9-pin (female) x 1 for computer control (RS-232C compliant)
	LAN	RJ-45 x 1 for network control, 10Base-T, 100Base-TX
	DIGITAL LINK/LAN	RJ-45 x 1 for network and DIGITAL LINK connection, HDBase-T™ compliant, 100Base-TX, compatible with PJLinkTM (Class 2), HDCP 1.4, Deep Color, 4K/30p signal input[6]
	USB (VIEWER/WIRELESS/DC OUT)	USB connector (Type A) x 1 for Memory Viewer function, optional Wireless Module AJ-WM50, power supply (DC 5 V, maximum 2 A)
Supported Internet protocol version		IPv4
Power cord length		2.0 m [6 ft 7 in]
Cabinet materials		Molded plastic
Dimensions (W x H x D)		495 x 160 x 421 mm [19 31/64 x 6 19/64 x 16 37/64 in] (with feet at shortest position) (TBD)
Weight with supplied lens[7]		Approx. 9.6 kg (21.3 lbs) (TBD)
Operating noise[1]		36 dB (NORMAL/ECO), 27 dB (QUIET) (TBD)
Laser Classification	Laser Class	Class 1 (IEC/EN 60825-1:2014) (TBD)
	Risk Group	Risk Group 2 (IEC 62471-5:2015) (TBD)
Operating environment	Operating environment temperature	0-45 °C (32-113 °F)[8]
	Operating environment humidity	20%-80% (no condensation)

Remote control unit

Power supply	3V DC (AAA/R03/LR03 battery x 2)
Operation range	Approx. 30 m [98 ft 5 in] (when operated directly in front of signal receptor)
Dimensions (W x H x D)	48 x 145 x 27 mm [1 7/8 x 5 23/32 x 1 1/16 in]
Weight[7]	Approx. 102 g (3.60 ozs.) including batteries

Supplied accessories

Wireless remote control unit (x 1)
Power cord (x 2 for Europe & Asia model/ x 1 for other countries)
Batteries for remote control (R03/AAA type x 2)

Other Applications

Multi Monitoring & Control Software (for Windows)
Projector Network Setup Software (for Windows)
Logo Transfer Software (for Windows)
Presenter Light Software (for Windows)[9]
Wireless Projector App (for iOS/Android)[10]

Supported services of Control via LAN

PJLink™ (Class2)
Crestron Connected™
AMX Device Discovery

Optional accessories

Ceiling Mount Bracket	for high ceiling	ET-PKD120H
	for highCeiling (6Axis adjustment)	ET-PKD130H
	for low ceiling	ET-PKD120S
Projector Mount Bracket for ceiling mount bracket		ET-PKE301B
Wall Mount Bracket		ET-WBC100
Replacement Filter Unit		ET-RFV500
DIGITAL LINK switcher		ET-YFB200G
Digital Interface Box		ET-YFB100G
Wireless Module		AJ-WM50 Series Note: product availability may vary by country or region. The suffix at the end of the model number is omitted. Operating Temperature: 0-40 °C (32-104 °F).
Early Warning Software		ET-SWA100 series Note: part number suffix may differ depending on the license type.
Wireless Presentation System PressIT		TY-WPS1 (basic set) Note: visit https://panasonic.net/cns/prodisplays/pressit/for more information.

Weights and dimensions shown are approximate. Specifications subject to change without notice.
1   Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped.
2   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.
3   Resolution decreases when using this function. 6-Point Screen Correction, V/H Keystone Correction, and curved-screen correction are not available when using this function, and range of corner adjustment is limited.
4   When Digital Zoom Extender is set to 80 %.
5   4K signals are converted to the projector's resolution upon projection.
6   Depending on the connected CEC command-compatible device, the link control may not operate normally.
7   Average value. May dier depending on the actual unit.
8   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).
9   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.
10 When using the Wireless Projector app, display resolution diers depending on your iOS/Android™ device and the display device.
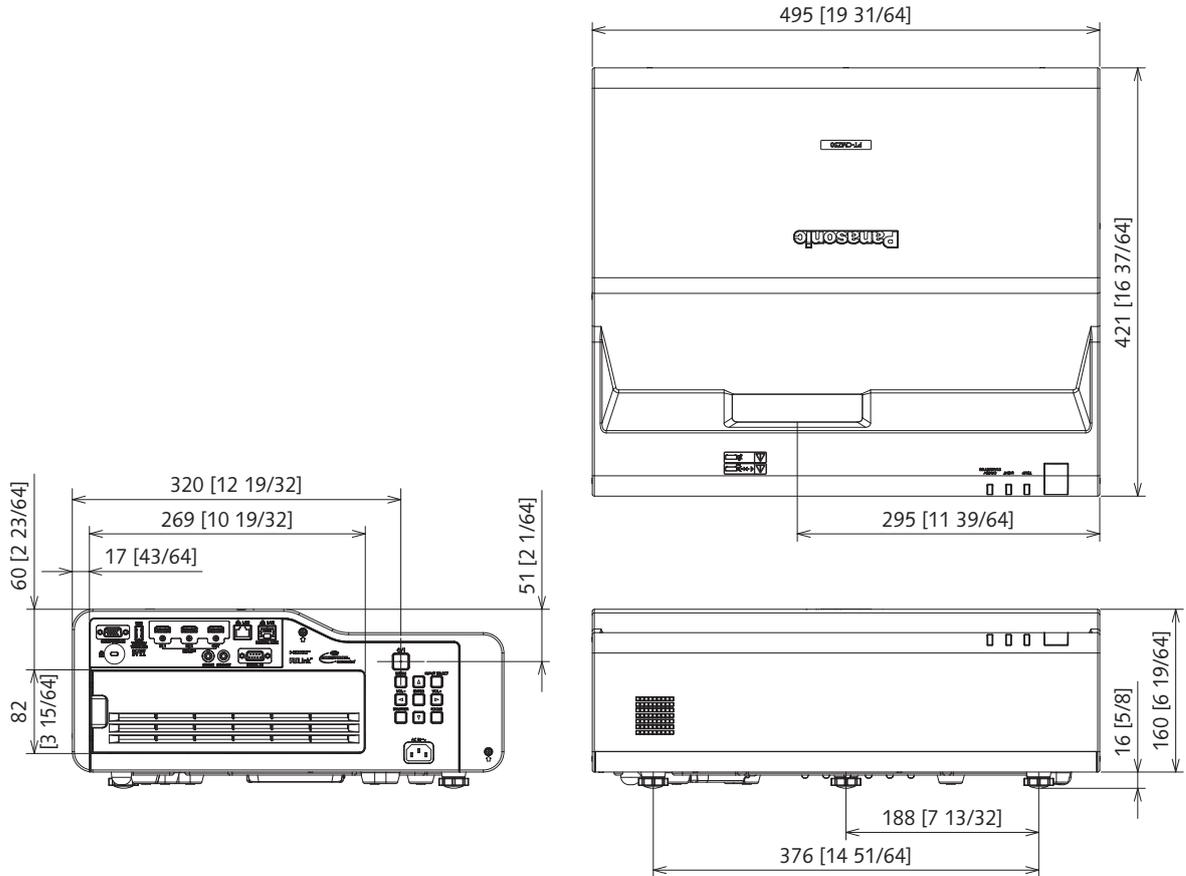   The maximum supported display resolution is WXGA (1280 x 800).

Terminals
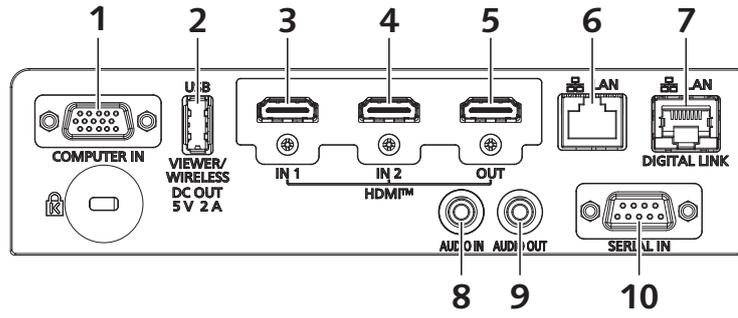
1	COMPUTER IN	6	LAN
2	USB (VIEWER/WIRELESS DC OUT 5V 2A)	7	LAN/DIGITAL LINK
3	HDMI IN 1	8	AUDIO IN
4	HDMI IN 2	9	AUDIO OUT
5	HDMI OUT	10	SERIAL IN

Dimensions

unit : mm [inch]
NOTE: This illustration is not drawn to scale.

495 [19 31/64]

421 [16 37/64]

295 [11 39/64]

320 [12 19/32]

269 [10 19/32]

17 [43/64]

60 [2 23/64]

82 [3 15/64]

51 [2 1/64]

16 [5/8]

160 [6 19/64]

188 [7 13/32]

376 [14 51/64]

Projected image and throw distance

Install the projector referring to the projected image size and projection distance. Image size and image position can be adjusted in accordance with the screen size and screen position.
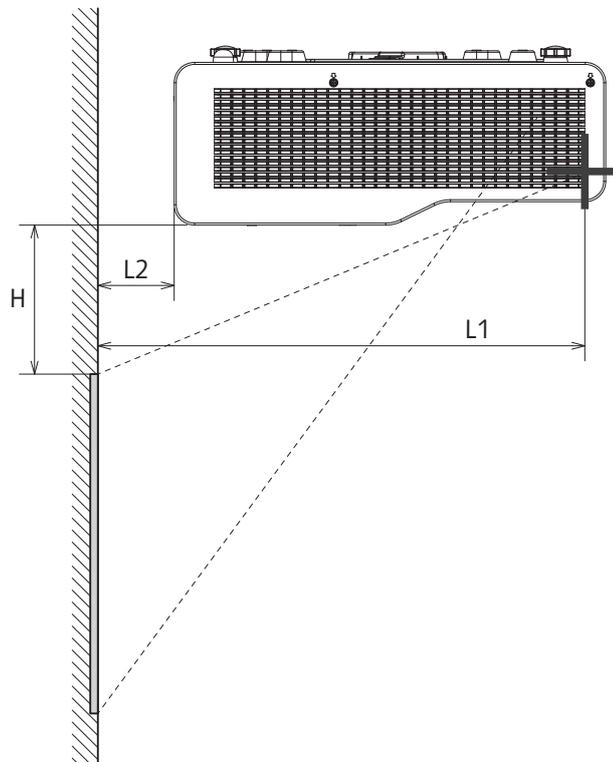
Note

• This illustration is prepared on the assumption that the projected image size and position have been aligned to fit full in the screen.
• This illustration is not drawn to scale.

L1	Projection distance
L2	Projection distance
H	Distance between projector and screen

Projection distance

A ±5 % error in listed projection distances may occur.
When [SCREEN ADJUSTMENT] is used, distance is corrected to become smaller than the specified image size.

Screen aspect ratio 16:10   Unit: meters

Throw ratio		0.235:1			Digital Zoom Extender[1]	
					0.235-0.288:1	
Diagonal (SD)		Projection distance (L1)	Projection distance (L2)	Distance between projector and screen (H)[2]	Longest projection distance (L1)	Projection distance (L2)
[60 in]	1.52	-	-	-	-	-
[65 in]	1.65	-	-	-	0.42	0.016
[70 in]	1.78	-	-	-	0.44	0.044
[75 in]	1.91	-	-	-	0.47	0.072
[80 in]	2.03	0.41	0.010	0.13	0.50	0.10
[85 in]	2.16	0.43	0.033	0.15	0.53	0.13
[90 in]	2.29	0.46	0.055	0.16	0.56	0.16
[95 in]	2.41	0.48	0.078	0.17	0.59	0.19
[100 in]	2.54	0.50	0.10	0.18	0.61	0.21
[110 in]	2.79	0.55	0.15	0.20	-	-
[120 in]	3.05	0.59	0.19	0.23	-	-

1 When Digital Zoom Extender is set to 80%.
2 When Digital Zoom Extender function is not used.

Screen aspect ratio 16:10   Unit: feet

Throw ratio		0.235:1			Digital Zoom Extender[1]	
					0.235-0.288:1	
Diagonal (SD)		Projection distance (L1)	Projection distance (L2)	Distance between projector and screen (H)[2]	Longest projection distance (L1)	Projection distance (L2)
[60 in]	1.52	-	-	-	-	-
[65 in]	1.65	-	-	-	1.38	0.05
[70 in]	1.78	-	-	-	1.44	0.14
[75 in]	1.91	-	-	-	1.54	0.24
[80 in]	2.03	1.35	0.03	0.43	1.64	0.33
[85 in]	2.16	1.41	0.11	0.49	1.74	0.43
[90 in]	2.29	1.51	0.18	0.52	1.84	0.52
[95 in]	2.41	1.57	0.26	0.56	1.94	0.62
[100 in]	2.54	1.64	0.33	0.59	2.00	0.69
[110 in]	2.79	1.80	0.49	0.66	-	-
[120 in]	3.05	1.94	0.62	0.75	-	-

1 When Digital Zoom Extender is set to 80%.
2 When Digital Zoom Extender function is not used.

SPEC FILE

LCD Projector

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Screen aspect ratio 16:9   Unit: meters

Throw ratio		0.234:1			Digital Zoom Extender[1]	
					0.234–0.287:1	
Diagonal (SD)		Projection distance (L1)	Projection distance (L2)	Distance between projector and screen (H)[2]	Longest projection distance (L1)	Projection distance (L2)
[60 in]	1.52	-	-	-	-	-
[65 in]	1.65	-	-	-	0.43	0.026
[70 in]	1.78	-	-	-	0.46	0.055
[75 in]	1.91	-	-	-	0.48	0.084
[80 in]	2.03	0.42	0.020	0.19	0.51	0.11
[85 in]	2.16	0.44	0.043	0.21	0.54	0.14
[90 in]	2.29	0.47	0.067	0.23	0.57	0.17
[95 in]	2.41	0.49	0.090	0.24	0.60	0.20
[100 in]	2.54	0.51	0.11	0.26	0.61	0.21
[110 in]	2.79	0.56	0.16	0.29	-	-
[120 in]	3.05	0.61	0.21	0.32	-	-

1 When Digital Zoom Extender is set to 80%.
2 When Digital Zoom Extender function is not used.

Screen aspect ratio 16:9   Unit: feet

Throw ratio		0.234:1			Digital Zoom Extender[1]	
					0.234–0.287:1	
Diagonal (SD)		Projection distance (L1)	Projection distance (L2)	Distance between projector and screen (H)[2]	Longest projection distance (L1)	Projection distance (L2)
[60 in]	1.52	-	-	-	-	-
[65 in]	1.65	-	-	-	1.41	0.09
[70 in]	1.78	-	-	-	1.51	0.18
[75 in]	1.91	-	-	-	1.57	0.28
[80 in]	2.03	1.38	0.07	0.62	1.67	0.36
[85 in]	2.16	1.44	0.14	0.69	1.77	0.46
[90 in]	2.29	1.54	0.22	0.75	1.87	0.56
[95 in]	2.41	1.61	0.30	0.79	1.97	0.66
[100 in]	2.54	1.67	0.36	0.85	2.00	0.69
[110 in]	2.79	1.84	0.52	0.95	-	-
[120 in]	3.05	2.00	0.69	1.05	-	-

1 When Digital Zoom Extender is set to 80%.
2 When Digital Zoom Extender function is not used.

Screen aspect ratio 4:3

Unit: meters

| Throw ratio | | 0.279:1 | | | Digital Zoom Extender[1] | |
| | | | | | 0.279-0.342:1 | |
Diagonal (SD)		Projection distance (L1)	Projection distance (L2)	Distance between projector and screen (H)[2]	Longest projection distance (L1)	Projection distance (L2)
[60 in]	1.52	-	-	-	0.43	0.032
[65 in]	1.65	-	-	-	0.46	0.064
[70 in]	1.78	0.41	0.007	0.13	0.50	0.096
[75 in]	1.91	0.43	0.032	0.14	0.53	0.13
[80 in]	2.03	0.46	0.058	0.16	0.56	0.16
[85 in]	2.16	0.48	0.083	0.17	0.59	0.19
[90 in]	2.29	0.51	0.11	0.19	0.62	0.22
[95 in]	2.41	0.54	0.13	0.20	-	-
[100 in]	2.54	0.56	0.16	0.21	-	-
[110 in]	2.79	0.61	0.21	0.24	-	-
[120 in]	3.05	-	-	-	-	-

1 When Digital Zoom Extender is set to 80%.
2 When Digital Zoom Extender function is not used.

Screen aspect ratio 4:3

Unit: feet

| Throw ratio | | 0.279:1 | | | Digital Zoom Extender[1] | |
| | | | | | 0.279-0.342:1 | |
Diagonal (SD)		Projection distance (L1)	Projection distance (L2)	Distance between projector and screen (H)[2]	Longest projection distance (L1)	Projection distance (L2)
[60 in]	1.52	-	-	-	1.41	0.10
[65 in]	1.65	-	-	-	1.51	0.21
[70 in]	1.78	1.35	0.02	0.43	1.64	0.31
[75 in]	1.91	1.41	0.10	0.46	1.74	0.43
[80 in]	2.03	1.51	0.19	0.52	1.84	0.52
[85 in]	2.16	1.57	0.27	0.56	1.94	0.62
[90 in]	2.29	1.67	0.36	0.62	2.03	0.72
[95 in]	2.41	1.77	0.43	0.66	-	-
[100 in]	2.54	1.84	0.52	0.69	-	-
[110 in]	2.79	2.00	0.69	0.79	-	-
[120 in]	3.05	-	-	-	-	-

1 When Digital Zoom Extender is set to 80%.
2 When Digital Zoom Extender function is not used.

Formula for calculating the projection distance

To use a projected image size not listed in this manual, check the projected image size SD (m) and use the respective formula to calculate the value.

The unit of all the formulae is m. (Values obtained by the following calculation formulae contain a slight error.)

When calculating the value using image size designation (value in inches), multiply the value in inches by 0.0254 and substitute it into SD in the formula.

Unit: meters

Aspect ratio		16 : 10	16 : 9	4 : 3
Screen height (SH)		=0.530 X SD	=0.490 X SD	=0.6 X SD
Screen width (SW)		=0.848 X SD	=0.872 X SD	=0.8 X SD
Projection distance (L1)[1]	Without Digital Zoom Extender	=0.1782 X SD + 0.0485	=0.1831 X SD + 0.0485	=0.2017 X SD + 0.0485
	Digital Zoom Extender	=0.1782 X SD/X + 0.0485	=0.1831 X SD/X + 0.0485	=0.2017 X SD/X + 0.0485
Projection distance (L2)	Without Digital Zoom Extender	=0.0100+(L1-0.4105)		
	Digital Zoom Extender			
Distance between projector and screen (H)	Without Digital Zoom Extender	=0.0933 X SD - 0.0562	=0.1231 X SD - 0.0562	=0.1056 X SD - 0.0562

1 X in the formulas represents the setting value of [DIGITAL ZOOM EXTENDER] (100%=1.00, 95%=0.95, 90%=0.90, 85%=0.85, 80%=0.80,…).
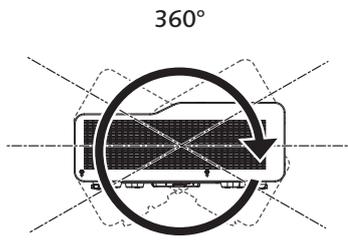
Note

• The value for L (distance to screen) varies slightly within ±5% depending on the zoom lens characteristics.
• When keystone correction is used, the image is corrected in the direction that reduces its projected size.
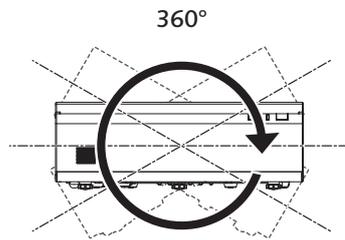
Installable angle

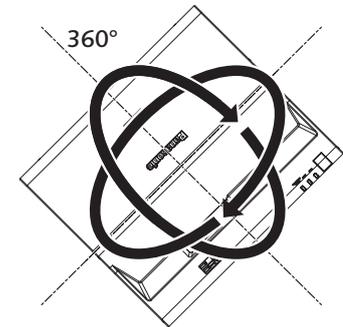Install the projector at an angle within the range shown below.

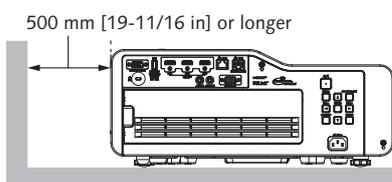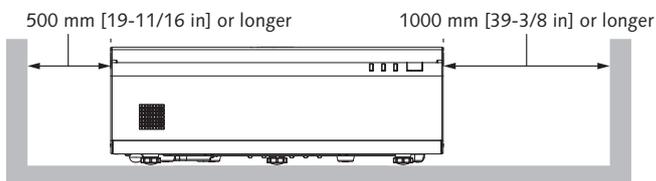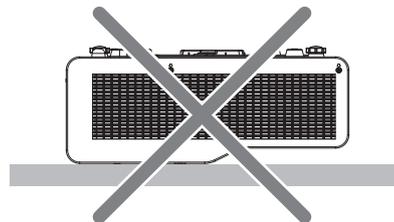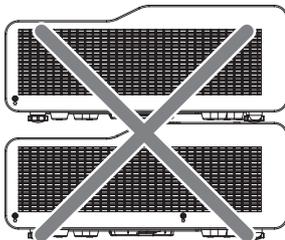FULL 360-degree projection

360°

360°

360°

360° vertically

360° horizontally

360° tilted
(combination of vertical and horizontal)

Notes on projector placement and operation

1. Never place objects on top of the projector while it is operating.
2. Make sure there is the unobstructed space as shown below or more around the projector's exhaust openings. In addition to this space, also ensure that there is a sufficient work space for removing and installing filter and other parts.
3. Make sure that nothing blocks the projector's air intake and exhaust openings. Also, install the projector so that cool or hot air from other air conditioning equipment does not flow directly toward the projector's air intake or exhaust openings.
4. Do not install the projector in an enclosed space. If it is necessary to install it in an enclosed space, add a separate ventilation system. If ventilation is insufficient, hot air will accumulate at the intake opening. This may cause the projector's protective circuit to interrupt projector operation.

500 mm [19-11/16 in] or longer

1000 mm [39-3/8 in] or longer

500 mm [19-11/16 in] or longer

200 mm [7-7/8 in] or longer

S P E C   F I L E

LCD Projector

PT-CMZ50

List of compatible signals

The following table specifies the type of signals compatible with the projector.

This projector supports the signal with ✓ in the compatible signal column.

Signal type	Signal name	Resolution (Display Resolution)	Scanning freq. Horizontal (kHz)	Scanning freq. Vertical (Hz)	Dot clock freq. (MHz)	compatible signal COMPUTER	compatible signal HDMI	compatible signal COMPUTER
Video Signal	480i (525i)	712 x 483i	15.7	59.9	13.5	✓	—	—
	576i (625i)	702 x 575i	15.6	50.0	13.5	✓	—	—
	480/60p	720 x 480	31.5	59.9	27.0	✓	✓	✓
	576/50p	720 x 576	31.3	50.0	27.0	✓	✓	✓
	720/60p	1280 x 720	45.0	60.0[1]	74.3	✓	✓	✓
	720/50p	1280 x 720	37.5	50.0	74.3	✓	✓	✓
	1080/60i	1920 x 1080i	33.8	60.0[1]	74.3	✓	✓	✓
	1080/50i	1920 x 1080i	28.1	50.0	74.3	✓	✓	✓
	1080/24p	1920 x 1080	27.0	24.0[1]	74.3	✓	✓	✓
	1080/24sF	1920 x 1080i	27.0	48.0[1]	74.3	✓	✓	✓
	1080/25p	1920 x 1080	28.1	25.0	74.3	✓	✓	✓
	1080/30p	1920 x 1080	33.8	30.0[1]	74.3	✓	✓	✓
	1080/60p	1920 x 1080	67.5	60.0[1]	148.5	✓	✓	✓
	1080/50p	1920 x 1080	56.3	50.0	148.5	✓	✓	✓
	3840 x 2160/24p	3840 x 2160	54.0	24.0[1]	297.0	—	✓	✓
	3840 x 2160/25p	3840 x 2160	56.3	25.0	297.0	—	✓	✓
	3840 x 2160/30p	3840 x 2160	67.5	30.0[1]	297.0	—	✓	✓
	4096 x 2160/24p	4096 x 2160	54.0	24.0[1]	297.0	—	✓	✓
	4096 x 2160/25p	4096 x 2160	56.3	25.0	297.0	—	✓	✓
	4096 x 2160/30p	4096 x 2160	67.5	30.0[1]	297.0	—	✓	✓
Computer Signal	640 x 480/60	640 x 480	31.5	59.9	25.2	✓	✓	✓
	800 x 600/60	800 x 600	37.9	60.3	40.0	✓	✓	✓
	1024 x 768/50	1024 x 768	39.6	50.0	51.9	✓	✓	✓
	1024 x 768/60	1024 x 768	48.4	60.0	65.0	✓	✓	✓
	1024 x 768/70	1024 x 768	56.5	70.1	75.0	✓	✓	✓
	1024 x 768/75	1024 x 768	60.0	75.0	78.8	✓	✓	✓
	1152 x 864/75	1152 x 864	67.5	75.0	108.0	✓	✓	✓
	1152 x 864/85	1152 x 864	77.1	85.0	119.7	✓	✓	✓
	1280 x 720/60	1280 x 720	44.8	59.9	74.5	✓	✓	✓
	1280 x 768/60	1280 x 768	47.7	60.0	80.1	✓	✓	✓
	1280 x 800/50	1280 x 800	41.3	50.0	68.0	✓	✓	✓
	1280 x 800/60	1280 x 800	49.7	59.8	83.5	✓	✓	✓
	1280 x 800/75	1280 x 800	62.8	74.9	106.5	✓	✓	✓
	1280 x 800/85	1280 x 800	71.6	84.9	122.5	✓	✓	✓
	1280 x 960/60	1280 x 960	60.0	60.0	108.0	✓	✓	✓
	1280 x 1024/60	1280 x 1024	64.0	60.0	108.0	✓	✓	✓
	1280 x 1024/75	1280 x 1024	80.0	75.0	135.0	✓	✓	✓
	1280 x 1024/85	1280 x 1024	91.1	85.0	157.5	✓	✓	✓
	1366 x 768/60	1366 x 768	47.7	59.8	85.5	✓	✓	✓
	1400 x 1050/60	1400 x 1050	65.3	60.0	121.8	✓	✓	✓
	1400 x 1050/75	1400 x 1050	82.2	75.0	155.9	✓	✓	✓
	1440 x 900/60	1440 x 900	55.9	59.9	106.5	✓	✓	✓
	1600 x 900/60	1600 x 900	55.9	60.0	119.0	✓	✓	✓
	1600 x 1200/60	1600 x 1 200	75.0	60.0	162.0	✓	✓	✓
	1680 x 1050/60	1680 x 1 050	65.3	60.0	146.3	✓	✓	✓
	1920 x 1080/50	1920 x 1080	55.6	49.9	141.5	✓	✓	✓
	1920 x 1200/50	1920 x 1200	61.8	49.9	158.3	✓	✓	✓
	1920 x 1200/60RB	1920 x 1200[3]	74.0	60.0	154.0	✓	✓	✓
	1920 x 720	1920 x 720	46.0	60.0	95.0	✓	✓	✓
	1920 x 810	1920 x 810	51.7	60.0	107.0	✓	✓	✓
	QXGA_2048 x 1536	2048 x 1536	95.5	60.0	267.3	—	✓	✓
	2560 x 1080/50p	2560 x 1080	56.3	50.0	186.6	—	✓	✓
	2560 x 1080/60p	2560 x 1080	46.0	60.0[1]	198.0	—	✓	✓
	3240 x 1080	3240 x 1080	69.0	60.0	237.1	—	✓	✓

1 It also supports signals with vertical scanning frequency of 1 / 1.001 times.
2 VESA CVT-RB (Reduced Blanking)-compliant

Note

- A signal with a different resolution is converted to the number of display dots. 1920 x 1200
- The "i" at the end of the resolution indicates an interlaced signal.
- When interlaced signals are connected, flickering may occur on the projected image.
- Even the above signals exist, some image signals recorded in special method may not be displayed.