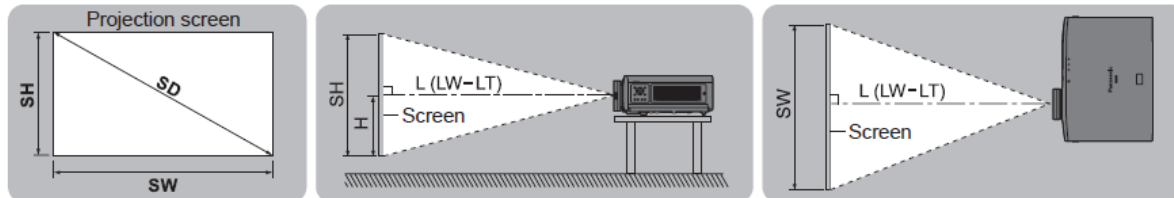


# PT-AE8000EZ Screen Size Verses Throw Distance.

## Setting up

### Projection related

Install the projector with reference to the figure below and the projection distance. You can adjust the display size and display position according to the screen size and screen position.



L (LW - LT) *1	Projection distance (m)
SH	Screen height (m)
SW	Screen width (m)
H	Distance from the center of the lens to the image lower end (m)
SD	Screen diagonal size (m)

\*1 LW: Minimum projection distance

LT: Maximum projection distance

(All measurements below are approximate and may differ slightly from the actual measurements.)

Projection screen size	16:9 size		
	Minimum distance (LW)	Maximum distance (LT)	Height position (H)
1.02 m (40")	1.16 m (3' 10")	2.37 m (7' 9")	-0.25 to 0.75 m
1.27 m (50")	1.47 m (4' 10")	2.98 m (9' 9")	-0.31 to 0.93 m
1.52 m (60")	1.77 m (5' 10")	3.58 m (11' 9")	-0.38 to 1.13 m
1.78 m (70")	2.07 m (6' 9")	4.18 m (13' 9")	-0.44 to 1.31 m
2.03 m (80")	2.37 m (7' 9")	4.79 m (15' 9")	-0.50 to 1.50 m
2.29 m (90")	2.67 m (8' 9")	5.39 m (17' 8")	-0.56 to 1.68 m
2.54 m (100")	2.98 m (9' 9")	6.00 m (19' 8")	-0.63 to 1.88 m
3.05 m (120")	3.58 m (11' 9")	7.20 m (23' 7")	-0.75 to 2.24 m
3.81 m (150")	4.49 m (14' 9")	9.02 m (29' 7")	-0.94 to 2.81 m
5.08 m (200")	6.00 m (19' 8")	12.04 m (39' 6")	-1.25 to 3.74 m
6.35 m (250") <sup>*1</sup>	7.51 m (24' 8")	15.06 m (49' 5")	-1.56 to 4.67 m
7.62 m (300") <sup>*1</sup>	9.02 m (29' 7")	18.08 m (59' 4")	-1.87 to 5.61 m

Projection screen size		2.35:1 size		
Screen Diagonal (SD)		Minimum distance (LW)	Maximum distance (LT)	Height position (H)
1.02 m	(40")	1.23 m (4' 0")	2.51 m (8' 3")	-0.30 to 0.70 m
1.27 m	(50")	1.55 m (5' 1")	3.15 m (10' 4")	-0.37 to 0.87 m
1.52 m	(60")	1.87 m (6' 2")	3.78 m (12' 5")	-0.45 to 1.05 m
1.78 m	(70")	2.19 m (7' 2")	4.42 m (14' 6")	-0.52 to 1.22 m
2.03 m	(80")	2.51 m (8' 3")	5.06 m (16' 7")	-0.60 to 1.40 m
2.29 m	(90")	2.83 m (9' 3")	5.70 m (18' 8")	-0.67 to 1.57 m
2.54 m	(100")	3.15 m (10' 4")	6.34 m (20' 10")	-0.76 to 1.75 m
3.05 m	(120")	3.78 m (12' 5")	7.61 m (25' 0")	-0.90 to 2.09 m
3.81 m	(150")	4.74 m (15' 7")	9.53 m (31' 3")	-1.13 to 2.62 m
5.08 m	(200")	6.34 m (20' 10")	12.72 m (41' 9")	-1.50 to 3.49 m
6.35 m	(250") <sup>*1</sup>	7.93 m (26' 0")	15.91 m (52' 2")	-1.87 to 4.36 m
7.62 m	(300") <sup>*1</sup>	9.53 m (31' 3")	19.10 m (62' 8")	-2.25 to 5.23 m

Projection screen size		16:9 in 2.35:1 size <sup>*2</sup>		
Screen Diagonal (SD)		Minimum distance (LW)	Maximum distance (LT)	Height position (H)
1.27 m	(50")	1.16 m (3' 10")	2.37 m (7' 9")	-0.25 to 0.75 m
1.52 m	(60")	1.40 m (4' 7")	2.85 m (9' 4")	-0.30 to 0.90 m
1.78 m	(70")	1.64 m (5' 5")	3.33 m (10' 11")	-0.35 to 1.05 m
2.03 m	(80")	1.88 m (6' 2")	3.82 m (12' 6")	-0.40 to 1.20 m
2.29 m	(90")	2.13 m (7' 0")	4.30 m (14' 1")	-0.45 to 1.35 m
2.54 m	(100")	2.37 m (7' 9")	4.78 m (15' 8")	-0.50 to 1.49 m
3.05 m	(120")	2.85 m (9' 4")	5.74 m (18' 10")	-0.60 to 1.79 m
3.81 m	(150")	3.57 m (11' 9")	7.19 m (23' 7")	-0.75 to 2.24 m
5.08 m	(200")	4.78 m (15' 8")	9.60 m (31' 6")	-0.99 to 2.98 m
6.35 m	(250") <sup>*1</sup>	5.98 m (19' 7")	12.02 m (39' 5")	-1.24 to 3.73 m
7.62 m	(300") <sup>*1</sup>	7.19 m (23' 7")	14.43 m (47' 4")	-1.49 to 4.47 m

\*1: The maximum size of the projection screen for 3D display is 5.08 m (200").

\*2: Use when switching between 2.35:1 and 16:9 aspect images and viewing on a 2.35:1 size screen.

You can calculate projection dimensions other than those in the above table from the projection screen size SD (m) using the formula below.

All units are meters. (Values obtained using the formula below contain a slight error.)

If the projection screen size is assumed to be SD,

	16:9 size	2.35:1 size
Projection screen height (SH)	= SD (m) × 0.490	= SD (m) × 0.392
Projection screen width (SW)	= SD (m) × 0.872	= SD (m) × 0.920
Minimum distance (LW)	= SD (m) × 1.189 – 0.04	= SD (m) × 1.256 – 0.04
Maximum distance (LT)	= SD (m) × 2.378 – 0.05	= SD (m) × 2.512 – 0.05

For more information, please consult the Panasonic lens calculator at the below web address.

<http://www.panasonic.net/avc/projector/calculator/>