LENSES FOR NOTEBOOK PROJECTORS

NOTEBOOK FIVE, FOUR and THREE Series Projectors					Screen Dimensions (H & W in ft., D in in.).									
Resolution: XGA (1024x768) or SVGA (800x600)				H'	2.0	3.0	4.5	6	7.5	9	12	15		
Aspect Ratio: (3 High by 4 Wide	e by 5 Dia	gonal)		W'	2.67	4	6	8	10	12	16	20		
Aperture: 0.728	in. wide			D"	40	60	90	120	150	180	240	300		
Standard Lens Models	T/W	Lens	Shift/Limits		Distan	ce (ex	presse	d in fe	et).					
XNB5M, XNB4M, XNB4, NB4	2.02	1.47"~1.90" Power, Zoom	9:1		5.4	8.1	12.1	16.2	20.2	24.2	32.3	40.4		
XNB3, XNB3W, NB3W, NB3E	2.61	(37.4~48.3 mm) f:1.7~2.0	(fixed)		7.0	10.4	15.7	20.9	26.1	31.3	41.8	-		
Wideangle Lens Models														
XNB4MS, XNB4S, NB4S	1.15	0.838"~1.009" Power, Zoom	9:1		3.1	4.6	6.9	9.2	11.5	13.8	18.4	23.0		
XNB3S, NB3S	1.39	(21.3~25.63 mm) f:1.9~2.1	(fixed)		3.7	5.5	8.3	11.1	13.9	16.6	22.2	-		
NOTEBOOK TWO Series		Screen Dimensions (H & W in ft., D in in.).												
Resolution: XGA (1024x768) or		H'	2.0	3.0	4.5	6	7.5	9	12	15				
Aspect Ratio: (3 High by 4 Wide	e by 5 Dia	gonal)		W'	2.67	4	6	8	10	12	16	20		
Aperture: 0.728	in. wide			D"	40	60	90	120	150	180	240	300		
All models:	T/W	Lens	Shift/Limits		Distan	ce (ex	presse	d in fe	et).					
Standard Lens	1.80	1.31"~1.7" Power, Zoom	20:1		4.8	7.2	10.8	14.4	18.0	21.6	28.8	36.0		
(All Models)	2.34	(33.2~43.1 mm) f:1.8~2.0	(fixed)		6.2	9.3	14.0	18.7	23.4	28.0	37.4	46.7		
	Screen Dimensions (H & W in ft., D in in.).													
XGA NOTEBOOK ONE Se	eries Pro	jectors			Screer	n Dime	nsions	s (H & '	W in ft	., D in i	n.).			
XGA NOTEBOOK ONE Se Resolution: XGA (1024x768)	eries Pro	<u>jectors</u>		H'	2	n Dime	nsions 4.5	6	W in ft 7.5	., D in i	n.). 12	15		
				H' W'		-						15 20		
Resolution: XGA (1024x768) Aspect Ratio: (3 High by 4 Wide					2	3	4.5	6	7.5	9	12			
Resolution: XGA (1024x768) Aspect Ratio: (3 High by 4 Wide	e by 5 Dia			W'	2.67	3 4 60	4.5 6 90	6 8 120	7.5 10 150	9 12	12 16	20		
Resolution: XGA (1024x768) Aspect Ratio: (3 High by 4 Wide Aperture: 0.728 XGA models Standard Lens	e by 5 Dia in. wide	gonal)		W'	2 2.67 40	3 4 60 ce (ex 7.2	4.5 6 90	6 8 120 ed in fe 14.4	7.5 10 150 et). 18.0	9 12	12 16	20		
Resolution: XGA (1024x768) Aspect Ratio: (3 High by 4 Wide Aperture: 0.728 XGA models	e by 5 Dia in. wide T/W	gonal) Lens	Shift/Limits	W'	2 2.67 40 Distan	3 4 60 ce (ex	4.5 6 90 presse	6 8 120 ed in fe	7.5 10 150 et) .	9 12 180	12 16 240	300		
Resolution: XGA (1024x768) Aspect Ratio: (3 High by 4 Wide Aperture: 0.728 XGA models Standard Lens	e by 5 Dia in. wide T/W 1.80 2.34	Lens 1.31"~1.7" Power, Zoom (33.2~43.1 mm) f:1.8~2.0	Shift/Limits 19:1	W'	2 2.67 40 Distan 4.8	3 4 60 ce (ex 7.2 9.3	4.5 6 90 presse 10.8 14.0	6 8 120 ed in fe 14.4 18.7	7.5 10 150 et). 18.0 23.4	9 12 180 21.6 28.0	12 16 240 28.8 37.4	300 36.0		
Resolution: XGA (1024x768) Aspect Ratio: (3 High by 4 Widenstrum) Aperture: 0.728 XGA models Standard Lens XNB1U	e by 5 Dia in. wide T/W 1.80 2.34	Lens 1.31"~1.7" Power, Zoom (33.2~43.1 mm) f:1.8~2.0	Shift/Limits 19:1 (fixed)	W'	2 2.67 40 Distan 4.8 6.2	3 4 60 ce (ex 7.2 9.3	4.5 6 90 presse 10.8 14.0	6 8 120 ed in fe 14.4 18.7	7.5 10 150 et). 18.0 23.4	9 12 180 21.6 28.0	12 16 240 28.8 37.4	300 36.0		
Resolution: XGA (1024x768) Aspect Ratio: (3 High by 4 Wide Aperture: 0.728 XGA models Standard Lens XNB1U SVGA NOTEBOOK ONE S	e by 5 Dia in. wide T/W 1.80 2.34	Lens 1.31"~1.7" Power, Zoom (33.2~43.1 mm) f:1.8~2.0	Shift/Limits 19:1 (fixed)	W' D" H' W'	2 2.67 40 Distan 4.8 6.2	3 4 60 ce (ex 7.2 9.3	4.5 6 90 presse 10.8 14.0	6 8 120 ed in fe 14.4 18.7	7.5 10 150 et). 18.0 23.4	9 12 180 21.6 28.0 ., D in i	12 16 240 28.8 37.4 in.).	300 36.0 46.7		
Resolution: XGA (1024x768) Aspect Ratio: (3 High by 4 Wide Aperture: 0.728 XGA models Standard Lens XNB1U SVGA NOTEBOOK ONE S Resolution: SVGA (800x600)	e by 5 Dia in. wide T/W 1.80 2.34	Lens 1.31"~1.7" Power, Zoom (33.2~43.1 mm) f:1.8~2.0	Shift/Limits 19:1 (fixed)	W' D"	2 2.67 40 Distan 4.8 6.2 Screer	3 4 60 ce (ex 7.2 9.3 n Dime	4.5 6 90 presse 10.8 14.0	6 8 120 ed in fe 14.4 18.7 s (H &	7.5 10 150 et). 18.0 23.4 W in ft.	9 12 180 21.6 28.0 ., D in i	12 16 240 28.8 37.4 in.).	20 300 36.0 46.7		
Resolution: XGA (1024x768) Aspect Ratio: (3 High by 4 Wide Aperture: 0.728 XGA models Standard Lens XNB1U SVGA NOTEBOOK ONE S Resolution: SVGA (800x600) Aspect Ratio: (3 High by 4 Wide	e by 5 Dia in. wide T/W 1.80 2.34 Series Pr	Lens 1.31"~1.7" Power, Zoom (33.2~43.1 mm) f:1.8~2.0	Shift/Limits 19:1 (fixed)	W' D" H' W'	2 2.67 40 Distan 4.8 6.2 Screer 2 2.67	3 4 60 ce (ex 7.2 9.3 n Dime 3 4	4.5 6 90 presse 10.8 14.0 ensions 4.5 6 90	6 8 120 ed in fe 14.4 18.7 s (H & V	7.5 10 150 et). 18.0 23.4 W in ft 7.5 10	9 12 180 21.6 28.0 ., D in i 9	12 16 240 28.8 37.4 n.).	20 300 36.0 46.7 15 20		
Resolution: XGA (1024x768) Aspect Ratio: (3 High by 4 Wide Aperture: 0.728 XGA models Standard Lens XNB1U SVGA NOTEBOOK ONE S Resolution: SVGA (800x600) Aspect Ratio: (3 High by 4 Wide Aperture: 0.728	e by 5 Dia in. wide T/W 1.80 2.34 Series Pi e by 5 Dia in. wide	Lens 1.31"~1.7" Power, Zoom (33.2~43.1 mm) f:1.8~2.0 rojetors gonal)	Shift/Limits 19:1 (fixed)	W' D" H' W'	2 2.67 40 Distan 4.8 6.2 Screer 2 2.67 40	3 4 60 ce (ex 7.2 9.3 n Dime 3 4	4.5 6 90 presse 10.8 14.0 ensions 4.5 6 90	6 8 120 ed in fe 14.4 18.7 s (H & V	7.5 10 150 et). 18.0 23.4 W in ft 7.5 10	9 12 180 21.6 28.0 ., D in i 9	12 16 240 28.8 37.4 n.).	20 300 36.0 46.7 15 20		
Resolution: XGA (1024x768) Aspect Ratio: (3 High by 4 Wide Aperture: 0.728 XGA models Standard Lens XNB1U SVGA NOTEBOOK ONE S Resolution: SVGA (800x600) Aspect Ratio: (3 High by 4 Wide Aperture: 0.728 SVGA models	e by 5 Dia in. wide T/W 1.80 2.34 Series Pi e by 5 Dia in. wide T/W	Lens 1.31"~1.7" Power, Zoom (33.2~43.1 mm) f:1.8~2.0 rojetors gonal) Lens	Shift/Limits 19:1 (fixed) Shift/Limits	W' D" H' W'	2 2.67 40 Distan 4.8 6.2 Screer 2 2.67 40 Distan	3 4 60 ce (ex 7.2 9.3 n Dime 3 4 60 ce (ex	4.5 6 90 presse 10.8 14.0 ensions 4.5 6 90 presse	6 8 120 ed in fe 14.4 18.7 6 (H & V 6 8 120 ed in fe	7.5 10 150 et). 18.0 23.4 W in ft. 7.5 10 150 et).	9 12 180 21.6 28.0 28.0 9 12 180	12 16 240 28.8 37.4 (n.). 12 16 240	20 300 36.0 46.7 15 20 300		
Resolution: XGA (1024x768) Aspect Ratio: (3 High by 4 Wide Aperture: 0.728 XGA models Standard Lens XNB1U SVGA NOTEBOOK ONE STANDED (1000) Resolution: SVGA (800x600) Aspect Ratio: (3 High by 4 Wide Aperture: 0.728 SVGA models Standard Lens	e by 5 Dia in. wide T/W 1.80 2.34 Series Property in wide T/W 1.95	Lens 1.31"~1.7" Power, Zoom (33.2~43.1 mm) f:1.8~2.0 rojetors gonal) Lens 1.42"~2.27" Power, Zoom	Shift/Limits 19:1 (fixed) Shift/Limits 10:1	W' D" H' W'	2 2.67 40 Distan 4.8 6.2 Screer 2 2.67 40 Distan 5.2	3 4 60 ce (ex 7.2 9.3 n Dime 3 4 60 ce (ex 7.8	4.5 6 90 presse 10.8 14.0 ensions 4.5 6 90 presse 11.7	6 8 120 ed in fe 14.4 18.7 s (H & V 6 8 120 ed in fe 15.6	7.5 10 150 et). 18.0 23.4 W in ft. 7.5 10 150 et).	9 12 180 21.6 28.0 , D in i 9 12 180	28.8 37.4 in.). 12 16 240	20 300 36.0 46.7 15 20 300		

Calculations are from the front glass of the lens and are accurate to approximately +/- 3.5%. Specifications are subject to change without prior notice.

How to use the T/W column. If your screen size does not appear on this chart, use the T/W column to find the lens you need. Divide the Throw distance by the screen Width to get your "target T/W number". Then, look for a lens with a T/W range that covers it.

Understanding Shift/Limits. The numbers in the Shift/Limits column express the projector positions possible as a ratio of the image heights Above:Below a line drawn perpendicular to the screen between the lens and the screen. 1:1 = center of the image. 10:0 = top of the image.

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