OPTION LENS

H LENS 0.8-1.0

Lens Mounting Manual

ENGLISH

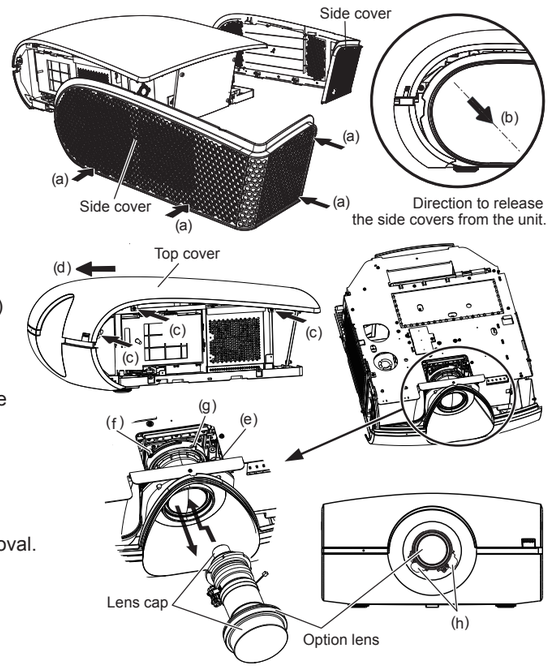
- **Lens mounting must be performed by service personnel.**
- **Check that the lens shift is at the factory default position (or the lens shift reset position) before mounting the option lens.**
- **Be sure to turn off the projector and unplug the power cord from the wall outlet before mounting the option lens.**

When you have any inquiries, contact your dealer.

Lens mounting procedure

Mount the option lens using the following procedure.

1. Loosen the four screws (a) of the Side cover and release the Side cover in the direction of the arrow (b) from the unit. Release the Side cover of the left and right.
2. Remove the six screws (c) securing the Top cover. (There are three screws each on the left and right.) Release the Top cover in the direction of the arrow (d) from the unit.
3. Release the connector (e) for the zoom/focus motor of the standard lens.
4. While holding down the lock button (f), slightly turn the fixed ring (g) counterclockwise to release the lock.
5. While holding the lens to prevent it from falling, turn the fixed ring (g) fully counterclockwise to unlock the lens.
6. Remove the standard lens in the arrow's direction.
7. Attach the option lens in the arrow's direction so that the motors (h) are positioned as shown by the figure. (Remove the lens caps before attaching the option lens.)
8. Turn the fixed ring (g) until it is put into place (and the lock button (f) clicks into place) to secure it.
9. Lock the connector for the zoom/focus motor of the option lens.
10. Mount the top cover in the reverse order of removal.
11. Mount the side cover of the left and right in the reverse order of removal.



Focus correction function

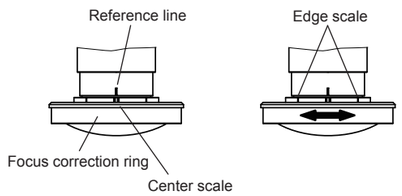
H LENS 0.8-1.0 has the focus correction function that corrects the focus balance at and around the center of the screen.

Focus correction procedure

1. Align the center scale of the focus correction ring with the reference line.
2. Adjust the screen focus using the projector.

Normally, the screen focus is adjusted properly using the procedure described above. However, the focus balance at and around the center of the screen may be different depending on the characteristics of the lens and the projector. In such a case, following the procedure described below may improve the symptom.

1. Turn the focus correction ring clockwise or counterclockwise manually and align the edge scale with the reference line.
2. Adjust the screen focus using the projector.



Check after mounting the lens

After replacing the lens, be sure to check the following for ensuring safety.

- Check that the connector for the zoom/focus motor is locked securely.
- Check that no lead wires are caught in mechanical parts.

Cautions after mounting

- Do not transport the projector with the option lens mounted. The projector may be damaged.
- With the option lens mounted, the brightness, resolution, and color uniformity in the projected image may differ from those with the standard lens.
- With the option lens mounted, the adjustable angle in the keystone adjustment differs from that with the standard lens.
- In the keystone adjustment with the option lens mounted, the proper aspect ratio may not be obtained.
- Projected images may become distorted, have decreased resolution, or have shadows at their corners if they are positioned close to the top (or bottom in the case of a ceiling-mount projector) or right or left edge of the effective projection area shown on the right.
- For details about ZOOM/FOCUS adjustment and LENS SHIFT LOCK, see User Manual of the projector.

Be careful not to caught in the opening in the lens while the lens is moving.

Cleaning of the lens

Remove dust or dirt using the commercially available lens care products (such as cleaning paper or cloth for lens and blower brush).

- Since the lens surface is sensitive, do not scrub it with a solid object or tap on it.
- Do not wipe the lens with lens cleaner or solvent containing alcohol. Doing so may cause wipe marks or peel off the lens coating and the focus performance may be affected.
- Make sure to clean the lens after the lamp is turned off and the lens is cooled suffi ciently.

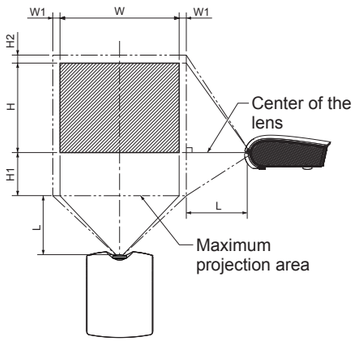
Specifications

F No.	F2.4
Focal distance	f = 11.4-14.2 mm
Zoom/focus	Electrical drive

XGA model

Screen size (4:3)						Projection distance (L)				Lens shift height				Lens shift width (W1)	
Diagonal size		Width (W)		Height (H)		Shortest (Wide)		Longest (Tele)		H1		H2			
inch	cm	inch	cm	inch	cm	inch	m	inch	m	inch	cm	inch	cm	inch	cm
40	102	32	81	24	61	25	0.6	31	0.8	12	30	2	6	3	8
60	152	48	122	36	91	38	1.0	47	1.2	18	46	3	9	5	12
80	203	64	163	48	122	51	1.3	64	1.6	24	61	4	11	6	16
100	254	80	203	60	152	64	1.6	80	2.0	30	76	6	14	8	20
150	381	120	305	90	229	96	2.4	120	3.1	45	114	8	21	12	30
200	508	160	406	120	305	128	3.3	161	4.1	60	152	11	28	16	41
250	635	200	508	150	381	161	4.1	201	5.1	75	191	14	36	20	51
300	762	240	610	180	457	193	4.9	242	6.1	90	229	17	43	24	61

- The above numbers are approximate and may be slightly different from the actual measurements.
- The lens shift height and width show distances from the factory default position.



WXGA model

Screen size (16:10)						Projection distance (L)				Lens shift height				Lens shift width (W1)	
Diagonal size		Width (W)		Height (H)		Shortest (Wide)		Longest (Tele)		H1		H2			
inch	cm	inch	cm	inch	cm	inch	m	inch	m	inch	cm	inch	cm	inch	cm
40	102	34	86	21	54	27	0.7	34	0.9	10	25	5	12	3	9
60	152	51	129	32	81	41	1.0	51	1.3	15	37	7	17	5	13
80	203	68	172	42	108	55	1.4	68	1.7	19	49	9	23	7	17
100	254	85	215	53	135	68	1.7	86	2.2	24	62	11	29	9	22
150	381	127	323	79	202	103	2.6	129	3.3	36	92	17	43	13	33
200	508	170	431	106	269	138	3.5	173	4.4	49	123	23	58	17	44
250	635	212	538	132	337	173	4.4	216	5.5	61	154	28	72	21	55
300	762	254	646	159	404	208	5.3	260	6.6	73	185	34	86	26	65

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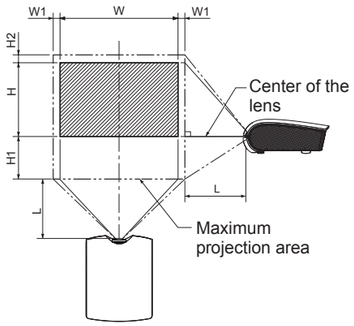
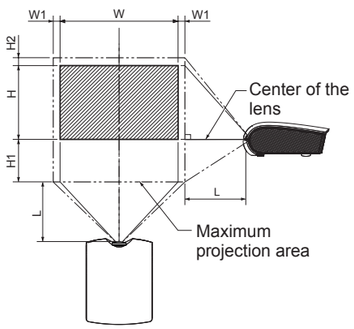


WUXGA model

Screen size (16:10)						Projection distance (L)				Lens shift height				Lens shift width (W1)	
Diagonal size		Width (W)		Height (H)		Shortest (Wide)		Longest (Tele)		H1		H2			
inch	cm	inch	cm	inch	cm	inch	m	inch	m	inch	cm	inch	cm	inch	cm
40	102	34	86	21	54	25	0.6	32	0.8	10	26	4	10	3	8
60	152	51	129	32	81	39	1.0	49	1.2	15	39	6	15	5	12
80	203	68	172	42	108	52	1.3	65	1.7	21	52	8	20	7	17
100	254	85	215	53	135	65	1.7	82	2.1	26	66	10	25	8	21
150	381	127	323	79	202	98	2.5	123	3.1	39	98	15	37	12	31
200	508	170	431	106	269	131	3.3	165	4.2	52	131	20	50	16	42
250	635	212	538	132	337	165	4.2	206	5.2	65	164	24	62	20	52
300	762	254	646	159	404	198	5.0	248	6.3	77	197	29	75	25	62

- The above numbers are approximate and may be slightly different from the actual measurements.
- The lens shift height and width show distances from the factory default position.



13/12/2013

Printed in Hyogo Japan