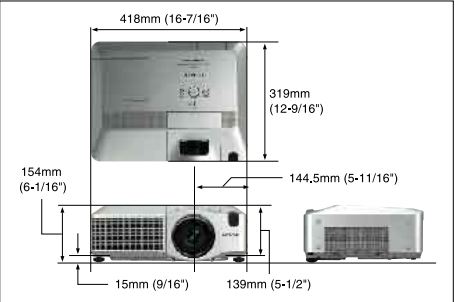


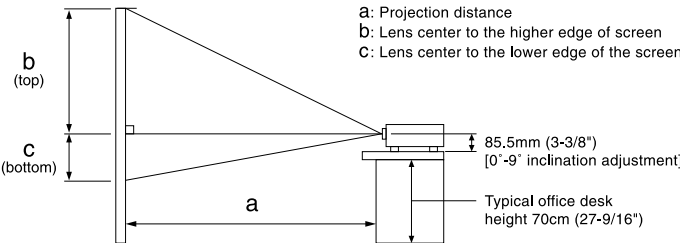
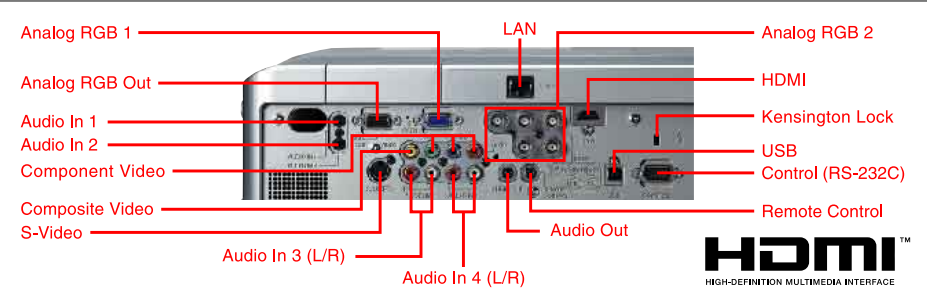
Dimensions



Specifications

|   |  |  |
|---|--|--|
| Model name  | CP-X615                                  |  |
| Liquid crystal panel structure  | 0.8" polysilicon active-matrix TFT x 3   |  |
| Number of pixels  | 786,432 pixels (V768 x H1,024)           |  |
| Resolution  | 1,024 x 768 color pixels                 |  |
| Lens  | Manual zoom (F=1.7-2.1) 1:1.2            |  |
| Lamp  | 275W UHB                                 |  |
| Brightness  | 4,000 ANSI lumens                        |  |
| Contrast ratio  | 1000:1 (Iris-ON)                         |  |
| Speakers  | 4W x 4 SRS WOW technology                |  |
| Keystone correction   | Vertical and Horizontal Digital Keystone |  |
| Power supply  | AC100-120V/AC220-240V                    |  |
| Operating temperature   | 5-35°C (41-95°F)                         |  |
| Input signals   | RGB input                                | VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA, MAC16"  |
|   | Video input                              | NTSC, NTSC4.43, PAL, SECAM, M-PAL, N-PAL, HDTV: 750p (720p), 1125i (1080i) SDTV: 525i (480i), 525p (480p), 625i (576i) |
| Input/output terminals  | Video input                              | S-Video: Jack x 1, Composite video: RCA jack x 1, Component video: RCA jack x 3  |
|   | Audio input                              | RCA jack x 2 (L/R), Stereo-mini jack x 2   |
|   | RGB input                                | Analog RGB: 15-pin Mini-Dsub x 2, BNC x 1, HDMI (digital RGB) x 1  |
|   | Audio output                             | Stereo-mini jack x 1   |
|   | RGB output                               | Analog RGB: 15-pin Mini-Dsub x 1   |
|   | Wired remote control port                | Yes  |
| Control and mouse   | Control and mouse                        | 9-pin Dsub x 1 for RS232C, USB type B x 1 for mouse control  |
|   | Wired network (LAN)                      | RJ-45 x 1  |
| Agency certifications   |  |  |
| UL60950-1/C-UL, FCC Part 15, Class B, AS/NZS CISPR22 Class B, CE, EN61000-3-2, EN61000-3-3, EN55022, EN55024, EN60950-1 |  |  |
| Dimensions (WxHxD)  |  |  |
| 418 x 139 x 319mm (16-7/16" x 5-1/2" x 12-9/16") [excl. protruding part]  |  |  |
| Weight  |  |  |
| 7.1kg (15.6 lbs.)   |  |  |
| Standard accessories  |  |  |
| RGB cable, Power cord, Remote control, Batteries, Security label, 14-languages User's Manual, Lens cap, Rivet, Strap    |  |  |

Terminals



Projection Distance of Standard Lens (LENS TYPE 1)

| Screen Size (inch)<br>[4:3 Screen] | a            |              | b            |              | c            |            |
|------------------------------------|--------------|--------------|--------------|--------------|--------------|------------|
|                                    | min.         | max.         | 1 : 1        | 9 : 1        | 1 : 1        | 9 : 1      |
| 30                                 | 0.9m (35")   | 1.1m (42")   | 23cm (9")    | 41cm (16")   | 23cm (9")    | 5cm (2")   |
| 40                                 | 1.2m (47")   | 1.4m (57")   | 30cm (12")   | 55cm (22")   | 30cm (12")   | 6cm (2")   |
| 60                                 | 1.8m (71")   | 2.2m (86")   | 46cm (18")   | 82cm (32")   | 46cm (18")   | 9cm (4")   |
| 70                                 | 2.1m (83")   | 2.6m (100")  | 53cm (21")   | 96cm (38")   | 53cm (21")   | 11cm (4")  |
| 80                                 | 2.4m (96")   | 2.9m (115")  | 61cm (24")   | 110cm (43")  | 61cm (24")   | 12cm (5")  |
| 90                                 | 2.7m (108")  | 3.3m (130")  | 69cm (27")   | 123cm (49")  | 69cm (27")   | 14cm (5")  |
| 100                                | 3.0m (120")  | 3.7m (144")  | 76cm (30")   | 137cm (54")  | 76cm (30")   | 15cm (6")  |
| 120                                | 3.7m (144")  | 4.4m (174")  | 91cm (36")   | 165cm (65")  | 91cm (36")   | 18cm (7")  |
| 150                                | 4.6m (181")  | 5.5m (217")  | 114cm (45")  | 206cm (81")  | 114cm (45")  | 23cm (9")  |
| 200                                | 6.1m (241")  | 7.4m (291")  | 152cm (60")  | 274cm (108") | 152cm (60")  | 30cm (12") |
| 250                                | 7.7m (302")  | 9.2m (364")  | 191cm (75")  | 343cm (135") | 191cm (75")  | 38cm (15") |
| 300                                | 9.2m (363")  | 11.1m (437") | 229cm (90")  | 411cm (162") | 229cm (90")  | 46cm (18") |
| 350                                | 10.8m (424") | 13.0m (510") | 267cm (105") | 480cm (189") | 267cm (105") | 53cm (21") |

OPTION LENSES

Projection Distance of Optional Lens 1 (Fixed Short Lens) FL-601 (LENS TYPE 2)

| Screen Size (inch)<br>[4:3 Screen] | a           |              | b            |              | c            |              |
|------------------------------------|-------------|--------------|--------------|--------------|--------------|--------------|
|                                    | min.        | max.         | 1 : 1        | 10 : 0       | 1 : 1        | 10 : 0       |
| 40                                 | 0.6m (24")  | 30cm (12")   | 30cm (12")   | 30cm (12")   | 30cm (12")   | 30cm (12")   |
| 60                                 | 0.9m (37")  | 46cm (18")   | 46cm (18")   | 46cm (18")   | 46cm (18")   | 46cm (18")   |
| 70                                 | 1.1m (43")  | 53cm (21")   | 53cm (21")   | 53cm (21")   | 53cm (21")   | 53cm (21")   |
| 80                                 | 1.3m (50")  | 61cm (24")   | 61cm (24")   | 61cm (24")   | 61cm (24")   | 61cm (24")   |
| 90                                 | 1.4m (56")  | 69cm (27")   | 69cm (27")   | 69cm (27")   | 69cm (27")   | 69cm (27")   |
| 100                                | 1.6m (63")  | 76cm (30")   | 76cm (30")   | 76cm (30")   | 76cm (30")   | 76cm (30")   |
| 120                                | 1.9m (76")  | 91cm (36")   | 91cm (36")   | 91cm (36")   | 91cm (36")   | 91cm (36")   |
| 150                                | 2.4m (95")  | 114cm (45")  | 114cm (45")  | 114cm (45")  | 114cm (45")  | 114cm (45")  |
| 200                                | 3.3m (128") | 152cm (60")  | 152cm (60")  | 152cm (60")  | 152cm (60")  | 152cm (60")  |
| 250                                | 4.1m (161") | 191cm (75")  | 191cm (75")  | 191cm (75")  | 191cm (75")  | 191cm (75")  |
| 300                                | 4.9m (193") | 229cm (90")  | 229cm (90")  | 229cm (90")  | 229cm (90")  | 229cm (90")  |
| 350                                | 5.7m (226") | 267cm (105") | 267cm (105") | 267cm (105") | 267cm (105") | 267cm (105") |

Projection Distance of Optional Lens 2 (Short Lens) SL-602 (LENS TYPE 3)

| Screen Size (inch)<br>[4:3 Screen] | a           |              | b            |              | c            |          |
|------------------------------------|-------------|--------------|--------------|--------------|--------------|----------|
|                                    | min.        | max.         | 1 : 1        | 10 : 0       | 1 : 1        | 10 : 0   |
| 40                                 | 1.0m (38")  | 1.6m (62")   | 30cm (12")   | 61cm (24")   | 30cm (12")   | 0cm (0") |
| 60                                 | 1.5m (58")  | 2.4m (94")   | 46cm (18")   | 91cm (36")   | 46cm (18")   | 0cm (0") |
| 70                                 | 1.7m (68")  | 2.8m (110")  | 53cm (21")   | 107cm (42")  | 53cm (21")   | 0cm (0") |
| 80                                 | 2.0m (78")  | 3.2m (126")  | 61cm (24")   | 122cm (48")  | 61cm (24")   | 0cm (0") |
| 90                                 | 2.2m (88")  | 3.6m (143")  | 69cm (27")   | 137cm (54")  | 69cm (27")   | 0cm (0") |
| 100                                | 2.5m (98")  | 4.0m (159")  | 76cm (30")   | 152cm (60")  | 76cm (30")   | 0cm (0") |
| 120                                | 3.0m (118") | 4.8m (191")  | 91cm (36")   | 183cm (72")  | 91cm (36")   | 0cm (0") |
| 150                                | 3.8m (148") | 6.1m (239")  | 114cm (45")  | 229cm (90")  | 114cm (45")  | 0cm (0") |
| 200                                | 5.0m (199") | 8.1m (319")  | 152cm (60")  | 305cm (120") | 152cm (60")  | 0cm (0") |
| 250                                | 6.3m (249") | 10.2m (400") | 191cm (75")  | 381cm (150") | 191cm (75")  | 0cm (0") |
| 300                                | 7.6m (299") | 12.2m (480") | 229cm (90")  | 457cm (180") | 229cm (90")  | 0cm (0") |
| 350                                | 8.9m (349") | 14.2m (561") | 267cm (105") | 533cm (210") | 267cm (105") | 0cm (0") |

Projection Distance of Optional Lens 3 (Long Lens) LL-603 (LENS TYPE 4)

| Screen Size (inch)<br>[4:3 Screen] | a            |               | b            |              | c            |          |
|------------------------------------|--------------|---------------|--------------|--------------|--------------|----------|
|                                    | min.         | max.          | 1 : 1        | 10 : 0       | 1 : 1        | 10 : 0   |
| 40                                 | 1.5m (60")   | 3.1m (122")   | 30cm (12")   | 61cm (24")   | 30cm (12")   | 0cm (0") |
| 60                                 | 2.4m (93")   | 4.7m (185")   | 46cm (18")   | 91cm (36")   | 46cm (18")   | 0cm (0") |
| 70                                 | 2.8m (109")  | 5.5m (216")   | 53cm (21")   | 107cm (42")  | 53cm (21")   | 0cm (0") |
| 100                                | 4.0m (157")  | 7.9m (311")   | 76cm (30")   | 152cm (60")  | 76cm (30")   | 0cm (0") |
| 120                                | 4.8m (190")  | 9.5m (374")   | 91cm (36")   | 183cm (72")  | 91cm (36")   | 0cm (0") |
| 150                                | 6.0m (238")  | 11.9m (468")  | 114cm (45")  | 229cm (90")  | 114cm (45")  | 0cm (0") |
| 200                                | 8.1m (319")  | 15.9m (626")  | 152cm (60")  | 305cm (120") | 152cm (60")  | 0cm (0") |
| 250                                | 10.2m (400") | 19.9m (783")  | 191cm (75")  | 381cm (150") | 191cm (75")  | 0cm (0") |
| 300                                | 12.2m (480") | 23.9m (941")  | 229cm (90")  | 457cm (180") | 229cm (90")  | 0cm (0") |
| 350                                | 14.3m (561") | 27.9m (1098") | 267cm (105") | 533cm (210") | 267cm (105") | 0cm (0") |
| 400                                | 16.3m (642") | 31.9m (1256") | 305cm (120") | 610cm (240") | 305cm (120") | 0cm (0") |
| 500                                | 20.4m (803") | 39.9m (1571") | 381cm (150") | 762cm (300") | 381cm (150") | 0cm (0") |

Projection Distance of Optional Lens 4 (Ultra Long Lens) UL-604 (LENS TYPE 5)

| Screen Size (inch)<br>[4:3 Screen] | a             |               | b            |              | c            |          |
|------------------------------------|---------------|---------------|--------------|--------------|--------------|----------|
|                                    | min.          | max.          | 1 : 1        | 10 : 0       | 1 : 1        | 10 : 0   |
| 40                                 | 3.1m (121")   | 6.0m (235")   | 30cm (12")   | 61cm (24")   | 30cm (12")   | 0cm (0") |
| 60                                 | 4.7m (184")   | 9.0m (355")   | 46cm (18")   | 91cm (36")   | 46cm (18")   | 0cm (0") |
| 70                                 | 5.5m (215")   | 10.5m (415")  | 53cm (21")   | 107cm (42")  | 53cm (21")   | 0cm (0") |
| 100                                | 7.9m (310")   | 15.1m (595")  | 76cm (30")   | 152cm (60")  | 76cm (30")   | 0cm (0") |
| 120                                | 9.5m (373")   | 18.2m (716")  | 91cm (36")   | 183cm (72")  | 91cm (36")   | 0cm (0") |
| 150                                | 11.9m (467")  | 22.8m (896")  | 114cm (45")  | 229cm (90")  | 114cm (45")  | 0cm (0") |
| 200                                | 15.9m (625")  | 30.4m (1196") | 152cm (60")  | 305cm (120") | 152cm (60")  | 0cm (0") |
| 250                                | 19.9m (782")  | 38.0m (1495") | 191cm (75")  | 381cm (150") | 191cm (75")  | 0cm (0") |
| 300                                | 23.9m (939")  | 45.6m (1797") | 229cm (90")  | 457cm (180") | 229cm (90")  | 0cm (0") |
| 350                                | 27.9m (1097") | 53.3m (2097") | 267cm (105") | 533cm (210") | 267cm (105") | 0cm (0") |
| 400                                | 31.9m (1254") | 60.9m (2398") | 305cm (120") | 610cm (240") | 305cm (120") | 0cm (0") |
| 500                                | 39.9m (1569") | 76.2m (2999") | 381cm (150") | 762cm (300") | 381cm (150") | 0cm (0") |

• Design and specifications are subject to change without notice.

- The screen and monitor images and comparison photos in this catalog are simulations.
- LCD panels, polarizers and other optical components and cooling fans may need replacement after prolonged usage. For more details, please consult a Hitachi sales representative.
- Do not use in places where there is a lot of water, dampness, steam, dust, soot or tobacco smoke. This may result in fire or malfunction.
- Optical components (lamp, LCD panel, polarizing plate, PBS [polarizer beam splitter], contrast-up film) have limited service lives. They must be repaired or replaced if they are used for a long period of time.
- These projectors use a mercury lamp with high internal pressure. Because of its properties, this lamp may burst with a loud noise or burn out if struck or after it has been used for a period of time. The time until it bursts or burns out varies greatly according to differences between lamps and usage conditions. Turning the lamp's power on and off frequently shortens its service life.
- Optical components other than the lamp: If the projector is used for six hours or more per day, they may need to be replaced in less than a year.
- LCD panel: If the projector is used continuously for six hours or more, its replacement cycle may be shortened.
- Do not turn projector on again for ten minutes after shutdown. Neglect can shorten the lifetime of the lamp. During use and immediately after use, do not touch anywhere near the lamp and the vents as these parts are extremely hot.
- HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.



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Ideal for ceiling mounting in medium and large size rooms.

LCD Projector

CP-X615





# A wide range of functions provide many benefits that enhance your presentations.

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4,000 ANSI Lumens



## Superior Maintainability

### ■ Manual Lens Shift

The lens can be adjusted manually to shift the position of the image. It can be moved 9cm (3-9/16") to the left and right, and 50cm (19-11/16") up and down on a 70" screen. After ceiling mounting, fine adjustments can be made with a screwdriver.

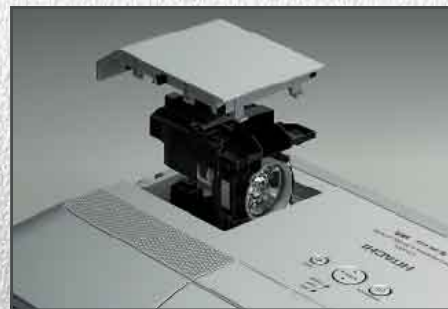
- By moving the projection lens the image moves either vertically or horizontally and allows a perfect fit on the screen.



### ■ Lamp Access on Top

Access to the lamp is from the top of the projector.

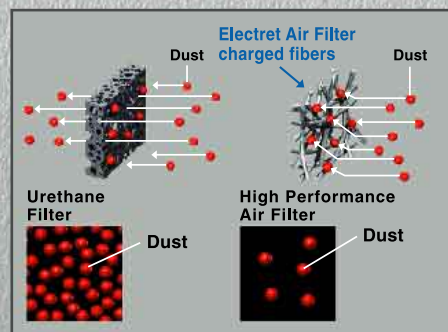
- You can replace the lamp quickly and easily, even when the projector is installed on the ceiling.



### ■ High Performance Air Filter

The air filter uses Electret Air Filter charged fibers to efficiently filter out dust.

- Performance does not suffer even in dusty environments.



## Convenient Networking

### ■ Scheduling Functions

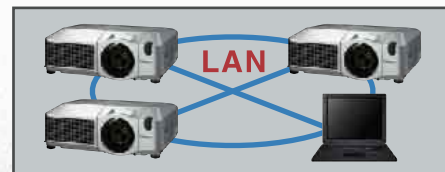
You can schedule various projector functions, such as power on, power off and input selection.

- This is handy for initiating operations at set times in locations such as showrooms.

### ■ Projector Monitoring and Control

Hitachi's Projector Management Software\* (PJMan) provides the ability to control, diagnose and manage a single or group of Hitachi projectors, including those connected to a network.

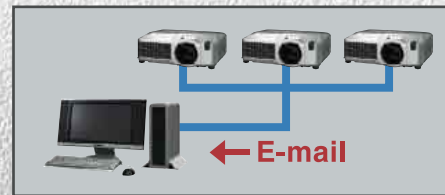
- Makes managing even large numbers of projectors a simple task.



### ■ E-mail Alerts

E-mail notification is sent for routine maintenance and error conditions.

- Lets you respond quickly to problems.



### ■ DNS Server Compatibility

The CP-X615 provides DNS server compatibility.

- Mail and SMTP server setup can be done using domain name or IP address.

### ■ Control and Monitoring via Web browser

The projector's internal HTML pages can be accessed via a Web browser.

- You can control, monitor and perform projector functions without having to install any dedicated software.

### ■ Still Image Transfer (e-SHOT)\*

Images can be transferred over a LAN to individual or multiple projectors.

- Handy for sending presentation images ahead to the projector and for sending and displaying announcements, etc. on multiple projectors.

## High Quality Presentation Capabilities

### ■ High Brightness

The CP-X615 has outstanding brightness of 4,000 ANSI Lumens, so you don't have to darken the room.

- Images are clearly visible on even large screens, and the audience can continue to take notes.

### ■ High Image Quality

Advanced video technologies include Motion Adaptive Progressive Scan, 3:2 Pull Down, Noise Reduction, Equalizing Gamma and 3D Y/C Separation.

- You can project moving pictures with beautiful clarity.

### ■ Active Iris

In addition to a high 1000:1 contrast ratio, this projector features an automatically controlled Active Iris.

- Ensures the best image, contrast and depth perspective during both bright and dark scenes.



### ■ Quiet 29dBA Whisper mode

The 29dBA noise level is surprisingly low for this category of projector.

- The audience is not disturbed by fan noise during presentations.

### ■ 16W output and SRS WOW

Four built-in 4W speakers (two channels) deliver a total sound output of 16W, and SRS WOW technology is built in.

- The sound is powerful and dynamic, with no need to connect external speakers.

\* SRS WOW is a trademark of SRS Labs, Inc.



## Higher Security and Easy Operation

### ■ PIN Lock and My Screen PIN Lock

PIN Lock protection limits the number of people who can use the projector. My Screen PIN Lock allows a certain image to be used as the startup screen.

- You can prevent unauthorized use and also use a school name or company logo to make it clear who owns the projector.



PIN Lock

My Screen PIN Lock

### ■ My Text

My Text lets you put text on the startup screen.

- You can display identifying information such as model name, serial number or projector location.



### ■ Security Bar

The Security Bar allows the projector to be attached via a heavy chain and a Kensington slot is provided.

- Your projector is protected from theft.



### ■ Whiteboard Mode and Blackboard Mode

These modes allow projection onto whiteboards or blackboards.

- Even in meeting rooms or classrooms with no screen, you can project high quality images.



Normal mode

Whiteboard mode

### ■ Daytime Mode

The Daytime Mode uses image quality correction technology to counter the effects of bright light.

- The audience sees clear, vivid images even in bright locations.



Normal mode

Daytime mode

### ■ My Button

There are two user programmable buttons that can be set with any command in the Select menu, such as S-Video direct input, Picture Mode, Filter Reset or AV mute.

- This gives you fast access to frequently used functions.



### ■ Quick Start and Shut Down

Start up is so fast that the image appears within four seconds. Main power is shut off during cool down.\*

- You spend less time waiting for startup and until you can put the unit away.

\* Do not turn projector on again for one minute after shutdown. Neglect can shorten the lifetime of the lamp. During use and immediately after use, do not touch anywhere near the lamp and the vents as these parts are extremely hot.

### ■ Other Features

- IR Remote Control Frequency Switching
- Serial Number Label on Side (upside down for ceiling mounting)
- Remote Control with Laser Pointer
- Input Source Naming
- Resolution Preset and Custom Modes

## Optional Lenses (Bayonet type)

### Option 1 Fixed Short Lens

#### FL-601 (LENS TYPE 2)

Lens shift position 1:1,  
F = 2.3, f = 13mm,  
Throw distance ratio = 1:0.8,  
zoom: 1.0



### Option 2 Short Lens

#### SL-602 (LENS TYPE 3)

F = 1.9-2.6, f = 20-32mm,  
Throw distance ratio = 1:1.2-2.0,  
zoom: 1.6



### Option 3 Long Lens

#### LL-603 (LENS TYPE 4)

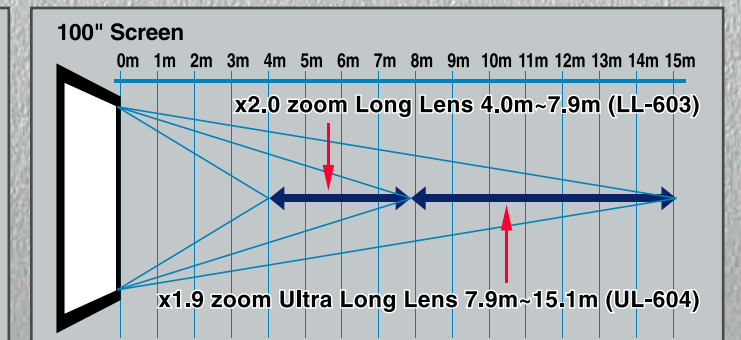
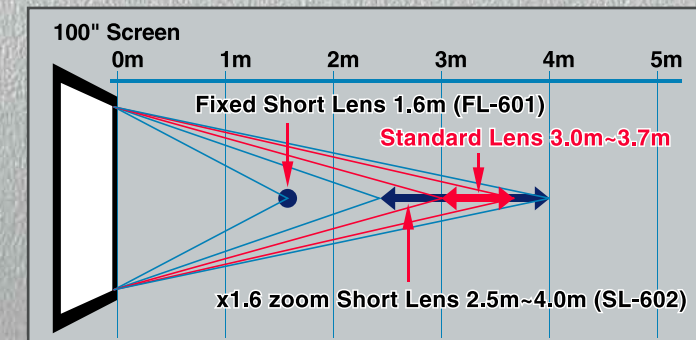
F = 2.1-2.9, f = 32-63mm,  
Throw distance ratio = 1:2.0-3.9,  
zoom: 2.0



### Option 4 Ultra Long Lens

#### UL-604 (LENS TYPE 5)

F = 2.2-3.1, f = 63-117mm,  
Throw distance ratio = 1:3.9-7.4,  
zoom: 1.9



\* Requires additional PC software. Download available directly from Hitachi Web site. Please refer to your owner's manual or Hitachi re-seller for additional details.