HITACHI
Inspire the Next

Multimedia Projectors

CP-X1200
CP-X1250

- **4,500 ANSI Lumens** (CP-X1250)
- **1.5x Zoom**
- **Lens Shift**
- **Four Optional Lenses**
- **Network Functions**
- **Jog Dial**
- **Progressive Scan**
- **My Screen**
- **Front Exhaust**

Maximum projector performance in any situation.

Projectors are now widely used as visual communication tools at many types of events such as conferences and seminars. The CP-X1200 and the CP-X1250 deliver high brightness, permitting them to be used in a wide range of places. A new lens shift function and a selection of interchangeable lenses* also contribute to installation ease. A variety of functions for high picture quality and network compatibility are included. The CP-X1200 and CP-X1250 enable presentations with persuasive impact in a variety of situations.

* Interchangeable lenses are optional.

CP-X1200
XGA
0.99" polysilicon active-matrix TFT x 3
1,024 x 768 color pixels
3,500 ANSI lumens

CP-X1250
XGA
0.99" polysilicon active-matrix TFT x 3
1,024 x 768 color pixels
4,500 ANSI lumens

In convention halls

With exceptionally high brightness, it can project easily visible images, even in a large hall.

■ High Brightness of 4,500 ANSI Lumens*[1] permits projection even in a wide space.

The use of a 0.99" liquid crystal panel that has a high aperture rate, plus a UHB (Ultra High Brightness) 310W*[2] lamp results in astonishing brightness of 4,500 ANSI Lumens. These models will project clearly visible images during presentations and lectures even in bright rooms. This outstanding brightness lets you use them in halls, auditoriums and other wide spaces without darkening the room. In a bright room, your audience can take notes and read documents, allowing you to give more easily understood and effective presentations.

*1: CP-X1200: 3,500 ANSI Lumens
*2: CP-X1200: 275W

■ 1.5x Zoom expands installation freedom, even in a limited space.

These models feature a 1.5x zoom lens, so they can be adjusted for a wide range of projection distances. They can be positioned from 3 to 4.6m to project on a large 100" screen. With this expanded freedom of placement, they can be used in a wide variety of places, and are even effective in meeting rooms and classrooms with limited space. The electrically powered zoom, focus, and lens shift can all be remote controlled.

■ Lens Shift (10:0 to 1:1) simplifies projection even when the unit is suspended upside down at a high location.

This function lets you move the picture vertically on the screen a distance equal to one-half of the picture. Because the optical system position is adjustable, it projects sharp, clear images with little image quality deterioration. The projectors can be positioned on a book shelf, rack, or other high position, increasing installation freedom. Electrically powered, they can be controlled by the remote control and easily adjusted even when suspended from the ceiling.

■ Horizontal and Vertical Keystone Correction

The Keystone Correction function not only deals with the keystone distortion that occurs under the effects of a left-to-right discrepancy between the position of the screen and the location of the projector, but even that caused by diagonal alignment when the projector cannot be placed directly in front of the screen. This greatly simplifies troublesome screen adjustment.

■ Progressive Scan

A progressive scan circuit lets you enjoy realistic, high quality images with smooth motion. 3:2 pull down provides a picture similar to what you see in a movie theater, while 3DY/C separation separates the brightness signal from the color signal to let you enjoy high picture quality with little flicker or cross color, even with composite video signals.
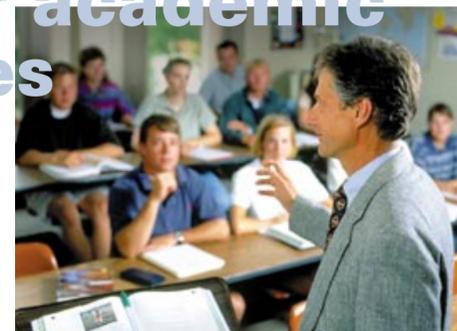
■ Optional lenses for a wide range of uses.

Four different optional lenses are available, suitable for a wide range of applications. This lets you position the projectors over a wide range suited to the size and environment of each room. They can be used in many situations ranging from a lecture in a large hall to a presentation in a small meeting room. (Can be placed from 2.3m to 14.8m to project on a 100" screen.) And because the lenses are bayonet types, they are easy to replace.

■ My Screen with Lock System

The lock system prevents recording so that a video that has already been recorded by the My Screen function is not accidentally overwritten.

Original image — It could show your company logo, a welcome message, dedicated to Mr...., and so on.

■ Network Functions

You can use a PC to control the projector. For example, turn its power on and off through a network from a position far from the projector.

* Projector control function based on LAN (wireless LAN: IEEE802.11b, wired LAN: 802.3/1-BASE TX) is a standard feature.

■ Wireless device that lets you connect a projector and PC without cables.

An optional wireless device, the KJ-100B, connects to the projector by an RGB cable. By inserting the optional KC-11B20Z1 wireless LAN card into the PC, you can transmit images by wireless communication without needing cables to connect the PC and projector. You can also switch among multiple PCs to display images.

■ Jog Dial

Both projectors have a jog dial that lets you select the input signal with ease, simply by rotating the dial. They also feature self-illuminated buttons so they are easy to use even when the lights are off.

Projectors in various classrooms can be easily controlled via the network function.

For academic uses

■ Convenient Lamp Replacement

The lamp can be replaced with ease by removing the lamp door on the top of the projector.

■ Front Exhaust

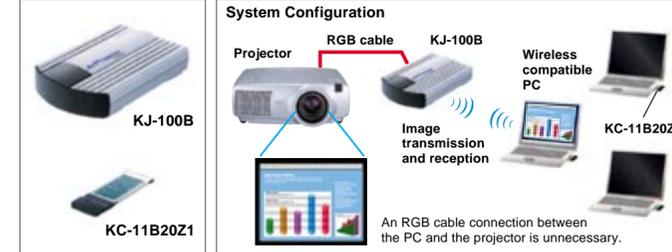Air is exhausted from the front, preventing discomfort for people sitting beside or behind the projector.

For business presentations

It can be used for a wide range of effective presentations in any space from small meeting rooms to large conference rooms.

Optional Lenses (Bayonet type)

Option 1 **FL501** Option 2 **SL502** Option 3 **LL503** Option 4 **LL504**

Option 1 **FL501** (Short fixed)
Lens shift position 1:1, F = 2.3, f = 16mm,
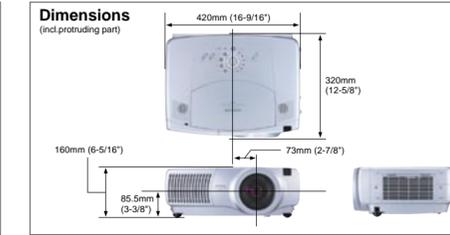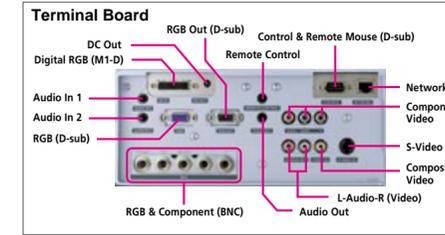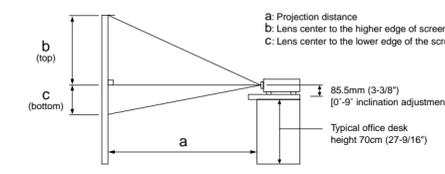Throw distance ratio = 0.8:1, zoom: 1.0

Option 2 **SL502** (Short zoom)
F = 2.2 – 2.8, f = 23 – 31mm,
Throw distance ratio = 1:1 – 1.5:1, zoom: 1.35

Option 3 **LL503** (Long zoom)
F = 2.1 – 2.6, f = 46 – 82mm,
Throw distance ratio = 2:2 – 4.1:1, zoom: 1.8

Option 4 **LL504** (Super long zoom)
F = 2.2 – 3.0, f = 80 – 144mm,
Throw distance ratio = 4.0 – 7.2:1, zoom: 1.8

Optional Wireless Device

System Configuration

KJ-100B

KC-11B20Z1

Projector — RGB cable — KJ-100B — Wireless compatible PC

Image transmission and reception — KC-11B20Z1

An RGB cable connection between the PC and the projector is unnecessary.

Terminal Board

- DC Out
- Digital RGB (M1-D)
- Audio In 1
- Audio In 2
- RGB (D-sub)
- RGB & Component (BNC)
- RGB Out (D-sub)
- Remote Control
- Control & Remote Mouse (D-sub)
- Network
- Component Video
- S-Video
- Composite Video
- Audio Out
- L-Audio-R (Video)

Dimensions (incl. protruding part)

420mm (16-9/16")
320mm (12-5/8")
160mm (6-5/16") 73mm (2-7/8")
85.5mm (3-3/8")

SPECIFICATIONS

Model name		CP-X1200	CP-X1250
Liquid crystal panel structure		0.99" polysilicon active-matrix TFT x 3	0.99" polysilicon active-matrix TFT x 3 (CP-X1250 with Micro-lens)
Number of pixels		786,432 pixels (V768 x H1,024)	786,432 pixels (V768 x H1,024)
Resolution		1,024 x 768 color pixels	1,024 x 768 color pixels
Frequency	fH [kHz]	15-91	15-91
	fV [Hz]	50-120	50-120
Lens		Power zoom (F=1.7-2.4) 1:1.5 (f=31-46mm)	Power zoom (F=1.7-2.4) 1:1.5 (f=31-46mm)
Lamp		275W UHB	310W UHB
Brightness		3,500 ANSI lumens	4,500 ANSI lumens
Contrast ratio		800 : 1	800 : 1
Speakers		1W x 2	1W x 2
Power supply		AC100-120V/220-240V	AC100-120V/220-240V
Power consumption		470W	470W
Operating temperature		0-35˚C (32-95˚F)	0-35˚C (32-95˚F)
Input signals	RGB input	VGA, SVAG, XGA, SXGA, UXGA, MAC13", MAC16", MAC19"	VGA, SVAG, XGA, SXGA, UXGA, MAC13", MAC16", MAC19"
	Video input	NTSC, NTSC4.43, PAL, PAL60, SECAM, M-PAL, N-PAL, HDTV: 750p (720p), 1125i (1080i/1035i), SDTV: 525i (480p), 525p (480p), 625i (575i)	NTSC, NTSC4.43, PAL, PAL60, SECAM, M-PAL, N-PAL, HDTV: 750p (720p), 1125i (1080i/1035i), SDTV: 525i (480p), 525p (480p), 625i (575i)
Input/output terminals	Video input	S-Video: Jack terminal x 1, Composite video: RCA jack terminal x 1, Component video: RCA jack terminal x 3, Component video share RGB: BNC terminal x 3	S-Video: Jack terminal x 1, Composite video: RCA jack terminal x 1, Component video: RCA jack terminal x 3, Component video share RGB: BNC terminal x 3
	Audio input	RCA jack terminal x 1 for video, Stereo-mini jack terminal x 2 for RGB, BNC, DVI	RCA jack terminal x 1 for video, Stereo-mini jack terminal x 2 for RGB, BNC, DVI
	RGB input	Analog RGB: 15-pin Mini-Dsub terminal x 1, Share analog RGB: BNC terminal x 5, M1-D terminal x 1	Analog RGB: 15-pin Mini-Dsub terminal x 1, Share analog RGB: BNC terminal x 5, M1-D terminal x 1
	Audio output	Stereo-mini jack terminal x 1 (Selected OUT)	Stereo-mini jack terminal x 1 (Selected OUT)
	RGB output	15-pin Mini-Dsub terminal x 1 (Selected OUT)	15-pin Mini-Dsub terminal x 1 (Selected OUT)
	Control and mouse	9-pin Dsub terminal x 1 for RS232, USB terminal x 1 (M1 terminal), RJ45 UL60950/C-UL, FCC Part 15, Class B, CE, TÜV EN60950	9-pin Dsub terminal x 1 for RS232, USB terminal x 1 (M1 terminal), RJ45 UL60950/C-UL, FCC Part 15, Class B, CE, TÜV EN60950
Agency certifications		UL60950/C-UL, FCC Part 15, Class B, CE, TÜV EN60950	UL60950/C-UL, FCC Part 15, Class B, CE, TÜV EN60950
Dimensions (WxHxD)		420 x 160 x 320mm (16-9/16"x5-7/8"x12-3/16") [incl. protruding part]	420 x 160 x 320mm (16-9/16"x5-7/8"x12-3/16") [incl. protruding part]
Weight		7.7kg (17 lbs.)	7.7kg (17 lbs.)
Standard accessories		Remote control, Batteries, RGB cable, Video cable (for video/audio), M1 cable (DVI and USB to M1), Power cord, Soft case, User's manual	Remote control, Batteries, RGB cable, Video cable (for video/audio), M1 cable (DVI and USB to M1), Power cord, Soft case, User's manual

Projection Distance of Standard Lens

a: Projection distance
b: Lens center to the higher edge of screen
c: Lens center to the lower edge of screen
85.5mm (3-3/8") [0˚-9˚ inclination adjustment]
Typical office desk height 70cm (27-9/16")

Screen Size (inch)	a min.	a max.	b 1:1	b 10:0	c 1:1	c 10:0
40	1.2m (46")	1.7m (68")	1.8m (71")	30cm (12")	61cm (24")	-30cm (-12")	0 (0")
60	1.8m (71")	2.5m (100")	2.7m (107")	46cm (18")	91cm (36")	-46cm (-18")	0 (0")
70	2.1m (83")	3.0m (117")	3.2m (126")	53cm (21")	107cm (42")	-53cm (-21")	0 (0")
80	2.4m (95")	3.4m (135")	3.7m (144")	61cm (24")	122cm (48")	-61cm (-24")	0 (0")
100	3.0m (120")	4.3m (169")	4.6m (181")	76cm (30")	152cm (60")	-76cm (-30")	0 (0")
120	3.7m (144")	5.2m (203")	5.5m (217")	91cm (36")	183cm (72")	-91cm (-36")	0 (0")
150	4.6m (181")	6.5m (254")	6.9m (271")	114cm (45")	229cm (90")	-114cm (-45")	0 (0")
200	6.2m (242")	8.6m (340")	9.2m (363")	152cm (60")	305cm (120")	-152cm (-60")	0 (0")
250	7.7m (304")	10.8m (426")	11.6m (455")	191cm (75")	381cm (150")	-191cm (-75")	0 (0")
300	9.3m (366")	13.0m (511")	13.9m (547")	229cm (90")	457cm (180")	-229cm (-90")	0 (0")
350	10.9m (427")	15.2m (597")	16.2m (638")	267cm (105")	533cm (210")	-267cm (-105")	0 (0")
400	12.4m (489")	17.3m (683")	18.5m (730")	305cm (120")	610cm (240")	-305cm (-120")	0 (0")
500	15.5m (612")	21.7m (854")	23.2m (913")	381cm (150")	762cm (300")	-381cm (-150")	0 (0")

OPTION LENSES

Projection Distance of Optional Lens 1 FL501 (Short fixed)

Screen Size (inch)	a min.	a max.	b 1:1	b 1:1	c 1:1	c 1:1
60	0.9m (37")	46cm (18")	-46cm (-18")			
70	1.1m (43")	53cm (21")	-53cm (-21")			
80	1.3m (50")	61cm (24")	-61cm (-24")			
90	1.4m (56")	69cm (27")	-69cm (-27")			
100	1.6m (63")	76cm (30")	-76cm (-30")			
120	1.9m (76")	91cm (36")	-91cm (-36")			
150	2.4m (95")	114cm (45")	-114cm (-45")			
170	2.7m (108")	130cm (51")	-130cm (-51")			
180	2.9m (115")	137cm (54")	-137cm (-54")			
200	3.2m (128")	152cm (60")	-152cm (-60")			
210	3.4m (134")	160cm (63")	-160cm (-63")			
220	3.6m (141")	168cm (66")	-168cm (-66")			
230	3.7m (147")	175cm (69")	-175cm (-69")			

Projection Distance of Optional Lens 3 LL503 (Long zoom)

Screen Size (inch)	a min.	a max.	b 1:1	b 10:0	c 1:1	c 10:0
40	1.8m (69")	2.4m (95")	3.3m (130")	30cm (12")	61cm (24")	-30cm (-12")	0 (0")
60	2.7m (106")	3.6m (142")	5.0m (197")	46cm (18")	91cm (36")	-46cm (-18")	0 (0")
80	3.6m (143")	4.9m (190")	6.7m (264")	61cm (24")	122cm (48")	-61cm (-24")	0 (0")
100	4.6m (179")	6.1m (239")	8.4m (331")	76cm (30")	152cm (60")	-76cm (-30")	0 (0")
120	5.5m (216")	7.3m (287")	10.1m (398")	91cm (36")	183cm (72")	-91cm (-36")	0 (0")
150	6.9m (271")	9.1m (360")	12.6m (498")	114cm (45")	229cm (90")	-114cm (-45")	0 (0")
200	9.2m (363")	12.2m (481")	16.9m (665")	152cm (60")	305cm (120")	-152cm (-60")	0 (0")
250	11.5m (454")	15.3m (602")	21.1m (832")	191cm (75")	381cm (150")	-191cm (-75")	0 (0")
300	13.9m (546")	18.4m (724")	25.4m (1000")	229cm (90")	457cm (180")	-229cm (-90")	0 (0")
350	16.2m (638")	21.5m (845")	29.6m (1167")	267cm (105")	533cm (210")	-267cm (-105")	0 (0")
400	18.5m (729")	24.5m (966")	33.9m (1334")	305cm (120")	610cm (240")	-305cm (-120")	0 (0")
500	23.2m (913")	30.7m (1209")	42.4m (1669")	381cm (150")	762cm (300")	-381cm (-150")	0 (0")

Projection Distance of Optional Lens 2 SL502 (Short zoom)

Screen Size (inch)	a min.	a max.	b 1:1	b 10:0	c 1:1	c 10:0
40	0.9m (34")	1.2m (46")	30cm (12")	61cm (24")	-30cm (-12")	0 (0")
60	1.3m (53")	1.8m (72")	46cm (18")	91cm (36")	-46cm (-18")	0 (0")
70	1.6m (62")	2.1m (84")	53cm (21")	107cm (42")	-53cm (-21")	0 (0")
80	1.8m (71")	2.4m (97")	61cm (24")	122cm (48")	-61cm (-24")	0 (0")
100	2.3m (89")	3.1m (121")	76cm (30")	152cm (60")	-76cm (-30")	0 (0")
120	2.7m (107")	3.7m (146")	91cm (36")	183cm (72")	-91cm (-36")	0 (0")
150	3.4m (133")	4.6m (183")	114cm (45")	229cm (90")	-114cm (-45")	0 (0")
200	4.6m (180")	6.2m (245")	152cm (60")	305cm (120")	-152cm (-60")	0 (0")
250	5.7m (226")	7.8m (308")	191cm (75")	381cm (150")	-191cm (-75")	0 (0")
300	6.9m (272")	9.3m (368")	229cm (90")	457cm (180")	-229cm (-90")	0 (0")
350	8.0m (317")	10.9m (429")	267cm (105")	533cm (210")	-267cm (-105")	0 (0")
400	9.2m (362")	12.5m (491")	305cm (120")	610cm (240")	-305cm (-120")	0 (0")
500	11.5m (453")	15.6m (614")	381cm (150")	762cm (300")	-381cm (-150")	0 (0")

Projection Distance of Optional Lens 4 LL504 (Super long zoom)

Screen Size (inch)	a min.	a max.	b 1:1	b 10:0	c 1:1	c 10:0
40	3.1m (124")	4.4m (175")	5.8m (230")	30cm (12")	61cm (24")	-30cm (-12")	0 (0")
60	4.8m (188")	6.7m (265")	8.8m (348")	46cm (18")	91cm (36")	-46cm (-18")	0 (0")
80	6.4m (252")	9.0m (355")	11.8m (466")	61cm (24")	122cm (48")	-61cm (-24")	0 (0")
100	8.1m (317")	11.3m (445")	14.8m (583")	76cm (30")	152cm (60")	-76cm (-30")	0 (0")
120	9.7m (382")	13.6m (536")	17.8m (701")	91cm (36")	183cm (72")	-91cm (-36")	0 (0")
150	12.1m (476")	17.0m (671")	22.3m (877")	114cm (45")	229cm (90")	-114cm (-45")	0 (0")
200	16.2m (640")	22.8m (898")	29.8m (1173")	152cm (60")	305cm (120")	-152cm (-60")	0 (0")
250	20.3m (801")	28.6m (1127")	37.3m (1469")	191cm (75")	381cm (150")	-191cm (-75")	0 (0")
300	24.4m (962")	34.2m (1348")	44.7m (1762")	229cm (90")	457cm (180")	-229cm (-90")	0 (0")
350	28.5m (1123")	39.9m (1572")	52.2m (2054")	267cm (105")	533cm (210")	-267cm (-105")	0 (0")
400	32.6m (1285")	45.6m (1796")	59.7m (2348")	305cm (120")	610cm (240")	-305cm (-120")	0 (0")
500	40.8m (1607")	57.1m (2248")	74.6m (2937")	381cm (150")	762cm (300")	-381cm (-150")	0 (0")

• Design and specifications are subject to change without notice.
• The 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 listed on back.

powered by pixelworks

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