

Ensuring High Reliability and Stability

Status Monitor

The status monitor is a sub-LCD located on the side panel. It displays the present condition of the projector, including errors, setup information and error history.



Dual Lamp

Equipped with the highly reliable Dual Lamp System. If one lamp stops functioning during use, the second lamp activates and projects the image with no interruption in the projection. Also, 24-hour-a-day continuous operation is possible. With Alternative mode, which alternates the use of the two lamps, running cost is slashed.

Specifications

Model name		CP-HD9321 (White)	CP-HD9320 (Black)
Display system		1-chip DLP®	
Display device	Size of effective display area	0.65" DLP® chip x1, aspect ratio 16:9	
	Number of pixels	2,073,600 pixels (1,920 horizontal X 1,080 vertical)	
Lens (option)	Zoom	Motorized	
	Focus	Motorized	
	Lens shift	Motorized (V, H)	
Light source		365W x2	
Screen size		50-600 inch	
Light output (Brightness)		8,200 lm	
Contrast ratio		2,500:1 (Theater mode)	
Displayable scanning frequency	Horizontal	15-106 kHz	
	Vertical	50-120 Hz	
Terminals	COMPUTER IN	Mini D-sub 15-pin connector x1	
	MONITOR OUT	Mini D-sub 15-pin connector x1	
	SDI	BNC connector x1	
	HDMI 1/2	HDMI connector x2	
	DVI-D	DVI-D connector x1	
	HDBaseT	RJ-45 connector x1	
	VIDEO	BNC connector x1	
	LAN	RJ-45 connector x1	
	WIRELESS	USB type A x1	
	REMOTE CONTROL IN	3.5mm stereo mini connector x1	
	REMOTE CONTROL OUT	3.5mm stereo mini connector x1	
	CONTROL(RS-232C)	D-sub 9-pin connector x1	
Operating temperature		0-50°C at altitude of 0-1,600m *1, 0-40°C at altitude of 1,600-3,048m	
Power requirements		AC110-120V / 220-240V(50Hz/60Hz)	
Maximum power consumption		AC110-120V:1,060W / AC220-240V:990W	
Standard outside dimension (WxHxD)		537mm x 170mm x 438mm (21.1" x 6.7" x 17.2") (Excluding lens and protruding part)	
Weight		Approx. 16.6kg (36.6lbs.) (Excluding lens)	
Accessories		Remote control with batteries, Power cord, Computer cable, Adapter cover Application CD, User's Manual (Book, CD)	
Optional parts	Lamp: DT01731	Filter set: UX39551	
	Lens unit:	Mounting accessories:	
	USL-901 (Ultra short throw lens)	HAS-9110 (Bracket for fixing mount)	
	SL-902 (Short throw lens)	HAS-104S (Slin adapter for fixing mount)	
	SD-903W (Standard lens)	HAS-204L (Standard adapter for fixing mount)	
	ML-904 (Middle throw lens)	HAS-304H (Long adapter for fixing mount)	
	LL-905 (Long throw lens)	USB wireless adapter: USB-WL-11N	
	UL-906 (Ultra long throw lens)	* For more information, please consult your dealer.	

* 1 When the ambient temperature exceeds 45°C, the brightness of the lamp is reduced automatically.

—Design and specifications are subject to change without notice.

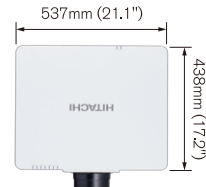
- The projected images and comparison photos in this catalog are simulations.
- Do not use in places where there is a lot of water, dampness, steam, dust, soot or tobacco smoke. This may result in fire or malfunction.
- Optical components (lamp, DLP® chip, etc.) and cooling fans have limited service 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 it is 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.
- Do not turn projector on again for ten minutes after shutdown. Neglect can shorten the lifetime or the lamp. During use and immediately after use, do not touch anywhere near the lamp and the vents as these parts are extremely hot.
- DLP® and the DLP logo are registered trademarks of Texas Instruments.
- Crestron® and Crestron RoomView® are registered trademarks of Crestron Electronics, Inc. in the United States and other countries.
- HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.
- HDBaseT™ and the HDBaseT Alliance logo are trademarks of the HDBaseT Alliance.
- All other trademarks are the properties of their respective owners.

HITACHI

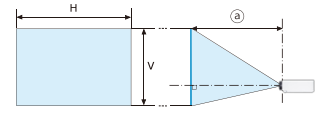
Hitachi America, Ltd., Digital Media Division
Hitachi Home Electronics Asia (S) Pte. Ltd.
Hitachi Sales (Malaysia) Sdn. Bhd.
Hitachi Sales (Thailand), Ltd.
Hitachi (Hong Kong), Ltd.
Hitachi Sales Corp. of Taiwan
Hitachi Australia Pty Ltd.
Hitachi Europe Ltd., Digital Media Group Consumer Affairs Department
Hitachi Maxell, Ltd.

2420 Fenton Street, Suite 200 Chula Vista, CA 91914, U.S.A. and Canada Tel: +1-800-225-1741 www.hitachi-america.us/digitalmedia
438A Alexandra Road #01-01/02/03, Alexandra Technopark, 119967, Singapore Tel: +65-6536-2520 www.hitachiconsumer.com.sg
Lot 12, Jalan Kemajuan, Bangi Industrial Estate, 43650 Bandar Baru Bangi, Selangor Darul Ehsan, Malaysia Tel: +60-3-8911-2670 www.hitachiconsumer.com.my
994, 996 Soi Thonglor, Sukhumvit 55 Road, Klongtonnua, Vadhana Bangkok 10110, Thailand Tel: +66-2335-5455 www.hitachi-th.com
18th Floor, Ever Gain Centre, 28 On Muk Street, Shatin, N.T., Hong Kong Tel: +852-2113-8883 www.hitachi-hk.com.hk
2nd Floor, No.65, Nanking East Road, Section 3, Taipei 104, Taiwan Tel: +886-2-2516-0500 www.hsct.com.tw
Suite 801, Level 8, 123 Epping Road, North Ryde NSW 2113, Australia Tel: +61-2-9888-4100 www.hitachi.com.au
Whitebrook Park, Lower Cookham Road, Maidenhead, Berkshire, SL6 8YA, UK Tel: +44-1628-585000 www.hitachidigitalmedia.com
5030 Totsuka-cho, Totsuka-ku Yokohama, 244-0003, Japan http://www.hitachi.co.jp/proj/

Dimensions



Projection Distance



H x V : Screen size

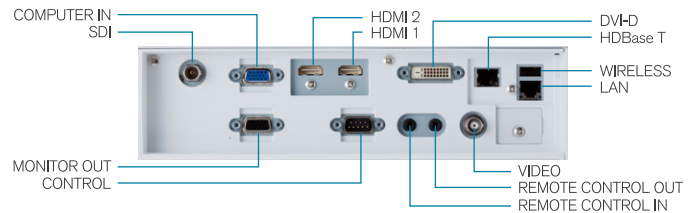
a): Projection distance (from the projector's front panel to screen) (±10%)
Throw ratio = a[m] / H[m]

CP-HD9321/CP-HD9320

1,920x1,080 (Aspect ratio 16:9)

Projection distance (a)	Item			m											
	Screen size			USL-901		SL-902		SD-903W		ML-904		LL-905		UL-906	
	Type	H(m)	V(m)	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
	80	1.8	1.0	1.4	1.8	2.1	3.1	2.9	4.4	4.3	6.5	6.2	10.0	9.9	15.7
	100	2.2	1.2	1.8	2.2	2.6	3.9	3.6	5.5	5.4	8.2	7.8	12.6	12.3	19.5
	120	2.7	1.5	2.1	2.6	3.1	4.7	4.4	6.6	6.4	9.8	9.4	15.1	14.7	23.4
	300	6.6	3.7	5.2	6.5	7.8	11.7	11.0	16.4	16.1	24.5	23.5	37.9	36.5	58.1
	500	11.1	6.2	8.7	10.8	13.1	19.4	18.3	27.4	26.9	40.9	39.3	63.2	60.6	96.6
Projection distance (a)	Item			inch											
	Screen size			USL-901		SL-902		SD-903W		ML-904		LL-905		UL-906	
	Type	H(″)	V(″)	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
	80	64	48	55	69	82	122	115	172	169	257	245	395	390	618
	100	80	60	69	86	103	153	143	215	211	322	307	495	485	769
	120	96	72	83	103	123	184	172	258	253	386	369	595	580	921
	300	240	180	205	255	309	459	432	646	634	966	927	1493	1436	2286
	500	400	300	341	425	515	765	720	1077	1058	1610	1548	2490	2387	3803
Throw ratio				0.8	1.0	1.1	1.7	1.6	2.4	2.4	3.6	3.5	5.6	5.5	8.8

Terminals



Environment

- **Compliance with EU Directive RoHS^{*1}**
- **Reduction of resin usage in production**
Use of hot runners in molds for making upper housing in order to reduce mill ends.
- **Reduction of CO₂ emissions**
Carton volume has been cut down to 95%^{*2}, reducing CO₂ emissions during transport.
- **Power saving mode engaged during standby**
- **Eco mode**
Eco mode provides power saving.

^{*1} RoHS is the acronym of "Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment".
^{*2} Compared to Hitachi CP-X10000 projector on the basis of one carton box.



DLP® Projectors

HITACHI

Inspire the Next



Full HD
1080p

Achieving Full HD with realism and visual beauty

The high-resolution, bright-color 9000 series projector



CP-HD9321 Full HD 8,200lm
Lenses are all optional



CP-HD9320 Full HD 8,200lm
Lenses are all optional



Original Hitachi technology and high-resolution Full HD deliver outstanding visual beauty

Full HD

These projectors offer Full HD (1,920 x 1,080 pixels) with a brightness of 8,200lm.

Built-in Dual Color Wheel

By switching between the two color wheels with the remote control, you can achieve an image quality to match the projected image. Rich Color mode reproduces color levels equivalent to digital cinema. Bright mode prioritizes brightness and sharpens white colors.

ACCENTUALIZER and HDCR

ACCENTUALIZER makes pictures look more real by enhancing shade, sharpness, and gloss, to make pictures as clear as those on a flat-panel device. The HDCR function corrects blurred images caused by room lighting or outside light sources and creates an effect similar to increasing contrast resulting in clear images even in bright rooms.

Bright room — ACCENTUALIZER, HDCR OFF



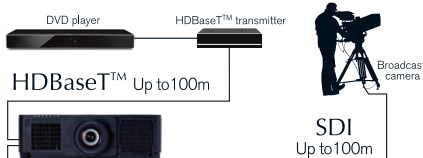
Bright room — ACCENTUALIZER, HDCR ON



Advanced Installability and System Features for Various Uses

5 Digital Inputs

Equipped with an SDI input – the standard in the broadcast industry. 3G SDI can transfer 1080P signals via a coaxial cable. Projectors provide 5 digital inputs : SDI, HDBaseT, HDMI(x2), DVI.

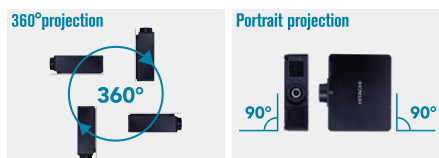


Edge Blending

Geometric Correction (Warping)

Various Installation

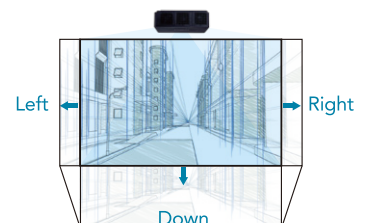
Projectors can be installed facing any 360 degree direction. In addition, by rotating the installation position of the projector 90 degrees (*1), you can project images that are vertically long. These features make it possible to provide various displays and image representations never before possible.



*1 Limited to the position where the terminals are on top. Make sure to fix the projector before using.

Superior Lens Shift

Superior lens shift lets you choose the most convenient installation location, even for large spaces.



Lens	USL-901	SL-902	SD-903W	ML-904	LL-905	UL-906
Left /Right	0-±10%	0-±10%	0-±10%	0-±10%	0-±10%	0-±10%
Down	0-55%	0-65%	0-65%	0-65%	0-65%	0-65%