Specifi	ications											
Model nar	me		CP-TW3005	CP-TW2505	CP-AW3005	CP-AW2505	CP-AX3505	CP-AX3005	CP-AX2505			
Display sy			0. 1110000	01 1112000	0. 70000	3LCD	01 7010000	0. 70.0000	01 7012000			
Display device	Size	of effective ay area		0.59", aspect	ratio 16 : 10		0.60	3", aspect ratio	4:3			
device	Numl	per of			00 pixels			786,432 pixels				
	pixels			(1280 horizonta		*		orizontal x 768	vertical)			
Lens		Zoon			D	igital zoom: x 1.3	35					
		Focu		005111	05000	Powered	0.5	0117	005111			
Light sour			250W	225W	250W	225W	25	0W	225W			
Screen siz		`	0.0001	0.7001	0.000	60 - 100 inch	0.0001	0.0001	0.5001			
	out(Brightr	iess)	3,300lm	2,700lm	3,300lm	2,700lm (PRESENTATI	3,600lm	3,300lm	2,700lm			
Contrast r	atio				10,000 : 1	•	ON mode)					
Speaker	I.	Horizonta				16W x 1 mono						
	Displayable Horizontal canning frequency Vertical			15 - 106 kHz								
Terminals			50 - 120 Hz									
reminais	COMPU	TER IN 2 /		Mini-D-sub 15-pin connector x 1 Mini-D-sub 15-pin connector x 1								
	MONITO	ROUI	_									
	VIDEO					video (RCA cor	· · · · · · · · · · · · · · · · · · ·					
	HDMI IN	l			HDMI conn	ector x 2 (HDCF	ocompliant)					
	MHL IN		HDMI connector x				-					
			Shared with HDN	_								
	AUDIO I		_	3.bmr		onnector x 1, RC		/R x 1				
	AUDIO (stereo mini conn						
		one Input				nono mini conn						
	CONTROL(RS-232C) LAN		D-sub 9-pin connector x 1									
			RJ45 connector x 1									
	USB-A		USB type A x 2 (PC less Presentation or wireless adapter)									
	USB-B		USB type B x 1 (In USB mouse contro	iteractive Function, of and USB Display)	USE	type B x 1 (US	B Display and I	JSB mouse cor	ntrol)			
Operating	temperati	ıro				0 - 40°C						
operating	Lemperan	JI 6		35 - 40	O°C (The bright	ness of lamp is	reduced autom	atically.)				
Operating	humidity(RH)			20 - 80	%RH (non-con	densing)					
Power rec	quirements	i	AC 100-120V (50/60Hz): 3.8A AC 220-240V (50/60Hz): 1.9A	AC 100-120V (50/60Hz): 3.5A AC 220-240V (50/60Hz): 1.7A	AC 100-120V (50/60Hz): 3.7A AC 220-240V (50/60Hz): 1.8A	AC 100-120V (50/60Hz):3.3A AC 220-240V (50/60Hz):1.6A	(50/60) AC 22	10-120V Hz): 3.7A 10-240V Hz): 1.8A	AC 100-120V (50/60Hz): 3.3A AC 220-240V (50/60Hz): 1.6A			
Maximum consumpt				AC 100-120V:340W AC 220-240V:330W				120V:360W 240V:350W	AC 100-120V:330 AC 220-240V:310			
		consumption				5W at saving m						
	outside dir (WxHxD)		377mm ×	: 136mm x 360		4" x 14.2") (Exc		ons)				
Weight			Annrox 4.5	kg (9.9 lbs.)		Ann	rox. 4.3kg (9.5	lhs)				
Accessori	es		Remote central, facts core, Alagor cover, Computer calle, Calls core, Alagor cover, Classic Calls cover, Alagor cover, Calls calls cover, Alagor cover, Calls calls cover, Alagor cover, User's manuals, Security label, Application CD									
0-41	Lamp		Application DVD DTO1411	DT01511	DT01411	DT01511	DTC	11411	DT01511			
Optional parts	Filter s	ot	D101411	וופוטוע	D101411	UX37191	יוט	1911	וופוטום			
		et g accessories		HAS-AW100 (Bracket for ceiling mount), HAS-203L (Fixing adaptor for low ceilings), HAS-P100								
	Table		(Fixing adaptor for high ceilings), HAS-WM03 (Wall mount unit), HAS-WM05 (Wall mount unit)									
		op use kit		TT-03								
USB WI		eless adapter		USB-WL-11N								

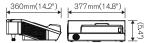
► Compliance with EU Directive RoHS*1 ▶ Reduction of resin usage in production

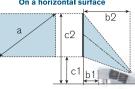
Use of hot runners in molds for making upper housing in order to reduce mill ends.

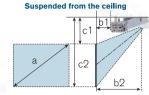
Reduction of CO2 emissions Carton volume has been cut down to 80%"2, reducing CO2

emissions during transport. Power saving mode engaged during standby

► Eco mode



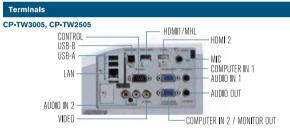


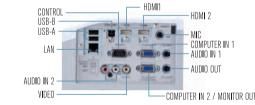


CP-AX3505.CP-AX3005.CP-AX2505

Screen size	e(diagonal)		Projection	distance		Screen neight			
а	1	b	1	b	2	C	:1	c:	2
type (inch)	m	m	inch	m	inch	m	inch	m	inch
60	1.5	0.104	4.1	0.385	15.2	0.224	8.8	1.138	44.8
70	1.8	0.170	6.7	0.451	17.8	0.247	9.7	1.314	51.7
80	2.0	0.236	9.3	0.517	20.4	0.270	10.6	1.489	58.6
90	2.3	0.302	11.9	0.583	23.0	0.293	11.5	1.664	65.5
100	2.5	0.368	14.5	0.649	25.6	0.315	12.4	1.839	72.4

Screen size	e(diagonal)	Projection		n distance		Screen height			
а	ı	b	1	b	2	C	:1	c:	2
type (inch)	m	m	inch	m	inch	m	inch	m	inch
60	1.5	0.128	5.0	0.409	16.1	0.313	12.3	1.121	44.1
70	1.8	0.198	7.8	0.479	18.9	0.351	13.8	1.293	50.9
80	2.0	0.268	10.5	0.549	21.6	0.388	15.3	1.465	57.7
90	2.3	0.338	13.3	0.619	24.4	0.426	16.8	1.638	64.5
100	2.5	0.408	16.1	0.689	27.1	0.464	18.3	1.810	71.3





Design and specifications are subject to change without notice.

- The projected 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 maffunction.

 Optical components (lamp, LCD panel, polarizing plate, PBS [polarizer beam splitter]) 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 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 shorters its service life.

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

Compared to Hitachi CP-A200 ultra

short throw projector on the basis of one carton box.

- 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 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.

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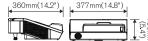
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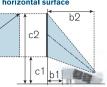
2420 Fenton Street, Suite 200 Chula Vista, CA 91914, U.S.A. and Canada Tel: +1-800-225-1741 www.hitachi-america.us/digitalmedia

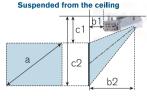
2nd Floor, No.65, Nanking East Road, Section 3, Taipei 104, Taiwan Tel: +886-2-2516-0500 www.hsct.com.tw Suite 801, Level 8, 123 Epping Road, North Ryde NSW 2113, Australia Tel: +61-2-9888-4100 www.hitachi.com.au

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January 2016







(1.024 x 768) (±8%)

а	ι	b	1	b	2	c	:1	cí	2
type (inch)	m	m	inch	m	inch	m	inch	m	inch
60	1.5	0.104	4.1	0.385	15.2	0.224	8.8	1.138	44.8
70	1.8	0.170	6.7	0.451	17.8	0.247	9.7	1.314	51.7
80	2.0	0.236	9.3	0.517	20.4	0.270	10.6	1.489	58.6
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100	2.5	0.368	14.5	0.649	25.6	0.315	12.4	1.839	72.4
CP-TW3	005,CP-1	W2505,0	P-AW3	005,CP-A	W2505		(1,280 x 80	0) (±8%)







Ultra Short Throw LCD Projectors





Ultra short throw

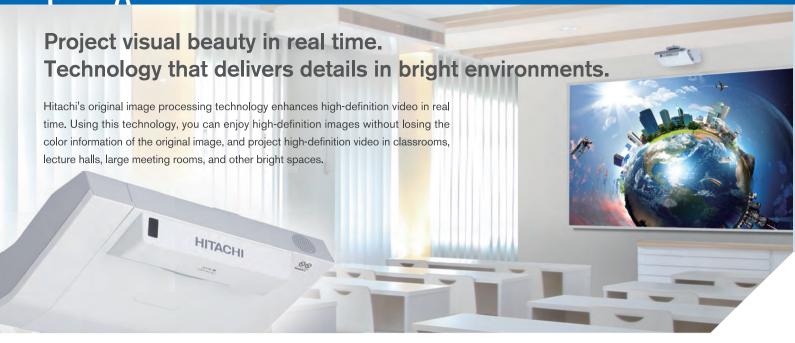
interactive projector

CP-TW3005 / CP-TW2505

CP-AW3005 / CP-AW2505

CP-AX3505 / CP-AX3005

CP-AX2505



ACCENTUALIZER

Hitachi original technology makes pictures look more real by enhancing (1) Shade, (2) Sharpness and (3) Gloss to make pictures as clear as pictures on a flat-panel device. You can also adjust the effects by three levels according to your surroundings so that the colors of projected images are the actual colors of the objects they represent.



ACCENTUALIZER ON

Image Optimizer

Equipped with IMAGE OPTIMIZER, Hitachi's original function that maintains visibility of an image through automatic image correction in accordance with lamp consumption.

DICOM® Simulation Mode

The DICOM (Digital Imaging and Communications in Medicine)

Simulation Mode projects grayscale images which approximate DICOM

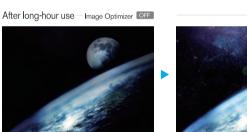
Part 14 specifications. This mode is ideal for viewing grayscale medical

The projectors have a DICOM (Digital Imaging and Communications in Medicine) Simulation Mode. This mode simulates the DICOM standard, which is a standard applicable to digital communications in

medicine, and is useful for displaying medical images such as X-rays. These projectors are not medical devices and are not compliant with the DICOM standard, and neither the projector nor the DICOM

images, such as X-rays, for training and educational purposes.

• This function may not work properly when HDCR/ACCENTUALIZER is ON.



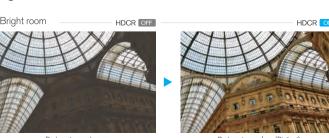
Dark parts of the image becomes clear.

HDCR (High Dynamic Contrast Range)

When average projectors are used in bright rooms, the darker colors of an image deteriorate and images become unclear.

Using this function, blurred images caused by room lighting or outside light sources are corrected, and an effect similar to increasing contrast occurs. This results in clear images even in bright rooms.







Simulation Mode should be used for medical diagnosis

Comparison photos are simulations.

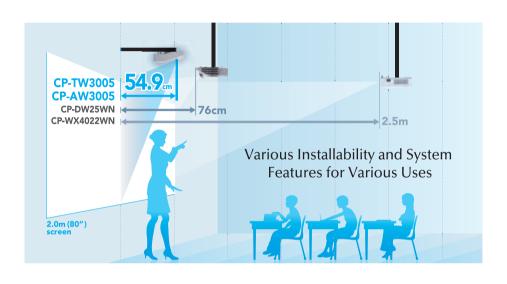
DICOM Simulation Mode

* The above images are representations of the effects and differ from actual images.

LINE UP *Local availability may be limited.







Reduced Glare and Shadows

These projectors feature Ultra Short Throw, for projecting a 2m (80inches) image from only 54.9cm (21.6inches) * onto a wall or screen. Ultra Short Throw greatly reduces glare from the projector's light source, making it easier for the teacher or presenter to see the audience. The audience also has a clearer view because the shadows of the teacher's or presenter's hands and body are minimized. The result is a better classroom or meeting room experience for everyone.

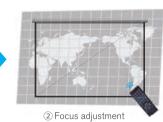
* For WXGA models. 51.7cm (20.4inches) for XGA models

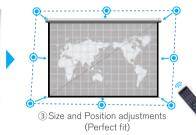
Powered Focus and Perfect fit

Equipped with powered focus and Perfect fit with which the position of four corners and four sides of a projected image can be adjusted. With the remote controller at hand, you can adjust focus and the position of an image.



1) Projector installation





2 - HDMI & MHL*1 inputs

Equipped with 2 HDMI input terminals for the current widely-used interface.

* HDMI cable is not included in the box



Project images by connecting a smartphone or tablet that supports MHL to the projector using an MHL cable.

*1 For T series projectors only. MHL cable is not



Tabletop Use (Option)



The optional tabletop use kit TT-03 allows to stand the projector vertically and a 1.5m (60")* diagonal image down onto a table.

* For WXGA models, 1.6m (63.5") for XGA models,

16W Internal Speaker

Equipped with a 16W speaker and microphone terminal that allow you to comfortably make presentations using content with sound or using a microphone.

Various Network Features

Wireless Capability (Option)

Connect a projector to a computer using the optional USB wireless adapter. The adapter supports IEEE802.11 b/g/n.



Easy WLAN Connection

Searches available wireless networks and displays the list of SSIDs when used in Infrastructure mode. You can select an SSID to connect to from the list.



Convenient Networking

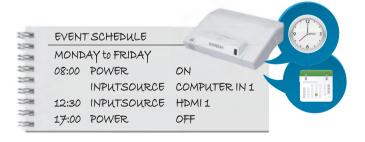
Manage and control multiple projectors over your LAN with Centralized Reporting, Scheduling, E-mail Alerts, and My Image (Image Transfer).



Administration Room

Easy Schedule Setting

You can schedule routine and special projector events, including power on, power off, input selection and other settings.



Smart Device Control

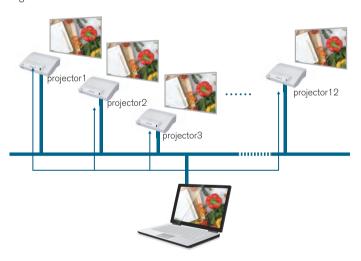
Plugging the optional USB wireless adapter to the projector and using the dedicated free online application developed by Hitachi, projectors can be controlled from a tablet or smartphone.



* See the Hitachi website for details http://www.hitachi.co.jp/proj/en/apps/pj_connection.html

Multi Projector

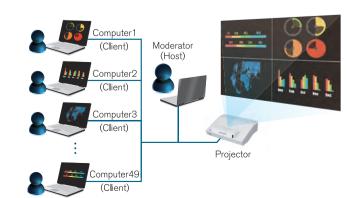
You can project the same image to up to 12 projectors simultaneously. This is useful for meetings and lectures in large venues where a single screen would not be sufficient.



Moderator Control Mode

Setting one computer from the multiple computers (up to 50) that are connected to the projector as the moderator (host) makes it possible for the moderator to project from all the computers (Clients).

* Moderator Control Mode supports LiveViewer 6 (Windows application) only.



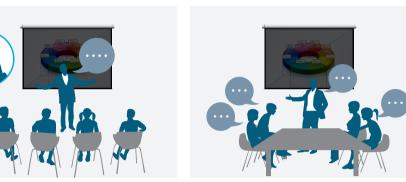
Go Green =

Saver Mode



This feature developed by Hitachi reduces the projector lamp brightness and consumption power, resulting in considerable energy savings. Set the Saver mode time from 1 to 30 minutes, and if the projected image does not change in that time, Saver mode activates. Saver mode can also be activated manually.





Intelligent Eco Mode ImageCare

This feature developed by Hitachi automatically changes the brightness of the lamp according to the level of the input signal. Lamp brightness is reduced when a darker image is projected, and returns to normal when a brighter image is projected, eliminating unnecessary energy consumption from the lamp.

Eco Mode

Using Eco Mode reduces lamp power approximately 32% compared to 250W*1 in Normal Mode.

Normal Mode	
	250W
Eco Mode	
Eco Mode	170W -32% -

- *1 Approximate 33% decrease for the 225W lamp of
- Lamp brightness in Eco Mode is lower compared to Normal

Saving Mode

Consumption power can be reduced to 0.35W when in standby, making it possible to reduce running costs.

- * STANDBY MODE must be set to SAVING.
- * Available functions during standby when SAVING is set are

Ensuring High Reliability and Stability

Hybrid Filter

The hybrid filter is composed of an unwoven

Easy Maintenance

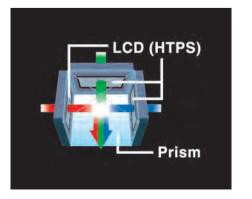
The lamp door and the filter cover are located on the top and the side, facilitating maintenance and replacement even when the projector is installed on the ceiling.

cloth and a HAF (High Air Flow) filter, protecting the optics from dust, dirt, and chalk particles. The filter can last up to 4,000 hours*2 without cleaning. *2 Varies according to usage environment.

3LCD chips with Inorganic Alignment Layers

These Hitachi 3LCD projectors incorporate three LCD panels with inorganic alignment layers that are extremely light resistant, increasing brightness and contrast ratio. They ensure smooth images and high reliability.







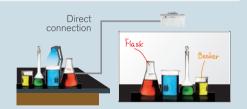
Advanced Writing/Drawing Capabilities

PC less Drawing

T Series projectors come with a built-in drawing function allowing you to directly draw and write on the projected screen without a PC.

Directly Draw on the Projected Screen

You can write and draw on images projected from connected devices such as Document camera.



Save and Open Drawn Screens

You can save the image drawn on the projector screen. This enables you to easily manage what you've taught in the past.

change the pen color and thickness. With the easy-to-use Painter tool bar, you can teach classes smoothly.

interactive function with over 100 pre-installed templates including graphs, Graphic Organizers, Plain Color, and many more.



Finger Touch (Option)

The T Series projectors incorporate the optional finger touch unit that enables the projector to detect finger touch activity on the screen area. It allows users to annotate and interact with the material presented. Instead of simply showing static images, students and teachers can interact with on screen material for hands-on interactivity that brings learning to life.

- * When using the finger touch unit at bright environment, auto calibration may not be used.
- * Please use the finger touch unit on a flat screen.
- * The finger touch unit may not be used in locations where there is sunlight or light from an incandescent light source.

Convenient Painter Tool

Equipped with the Pen, Eraser, Undo, Redo functions. You can also

Variety Rich Templates

You can conveniently use the



Multiple interactive pens

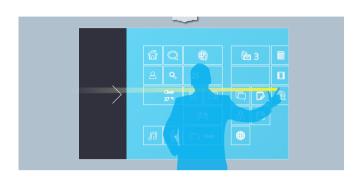
With up to 6 interactive pens pupils can do more than just watch - they can interact with the onscreen content. Let them enjoy providing answers, showing their understanding and becoming involved in lessons as never before.



Windows multi touch

Windows® 8 / 8.1 multi touch allows users with touch enabled Windows® 8 / 8.1 systems to operate the PC directly from the interactive screen with up to 6 of pens or touches* including Windows® 8 / 8.1 gesture.

* Optional finger touch unit is required.



Auto Calibration

Auto calibration is completed easily and quickly with the remote control. Calibration can be performed and the interactive function can be used on both the 16:10 and 4:3 screen type.

* The image for aligning the position is displayed automatically.



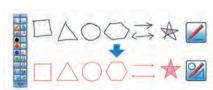
Interactive Software

This product includes a drawing application that offers more sophisticated drawing functions.

Neatly Convert Letters or Figures

You can automatically convert freehand shapes into geometric objects and handwriting into text on the projected image. These operations are easily accomplished with the interactive pen.

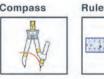


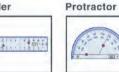


Select a Variety of Useful Tools

The interactive pen lets you operate a compass, ruler, protractor, stopwatch and other useful tools on the projected image, making lessons even easier to understand.











System requirements for drawing application

 $\textbf{\cdot CPU:} \ \ \text{Pentium} \\ \textbf{\$ 4 (1.8GHz or faster)} \\ \textbf{\cdot HDD:} \ \ \textbf{600 MB free space} \\ \textbf{\cdot Memory:} \ \ \textbf{1 GB or more} \\ \textbf{\cdot Display:} \ \ \textbf{32bit} \\ \textbf{\cdot OS:} \\ \textbf{Windows} \\ \textbf{\$ 7 (32/64bit)}, \\ \textbf{Windows} \\ \textbf{\$ 8.1 (32/64bit)}, \\ \textbf{The drawing of the properties of the pro$ application has been verified with the latest service pack at the time of release. The drawing application does not support Windows® Tablet PC Edition and Server Edition.) • Application: Internet Explorer® 8 / 9 / 10 / 11, Microsoft® Word 010/2013, Microsoft® Excel® 2010/2013, Microsoft® PowerPoint® 2010/2013, Adobe® Reader® X/XI, Adobe® Acrobat® Reader® DC, Adobe® Flash® Player 11 · Others: DVD-ROM drive, Video cards supporting hardware overlay feature. for using the movie features. [When using the Webcam function] DV (digital video devices, DV camera, D-VHS etc.), Capture Devices that supports DirectShow with WDM driver [For hosting a remote conference] · CPU: Intel® Core™2 Duo 2,0GHz or faster · HDD: 2GB or more · Memory: 2GB or more · Others: TCP/IP Network of 54Mbps or greater [For i-learn: maths toolbox] · Display: 1024x768 or higher · Application: Adobe® Reader® · Others: 32bit color 3D graphic card

■ Macintosh®

• CPU: Intel® CPU • HDD: 600 MB free space • Memory: 1GB or more • Display: High Color (16bit) or more • OS: Mac OS® X 10.8/10.9/10.10 • Application: Apple QuickTime 7.1 or later, Adobe® Flash® Player 11 • Others: DVD-ROM drive [For hosting a remote conference] • CPU: Intel® Core™2 Duo 2,0GHz or faster • HDD: 2GB or more • Memory: 2GB or more • Others: TCP/IP Network of 54Mbps or greater [For i-learn: maths toolbox] • Display: 1024 x 768 or higher • Application: Adobe® Reader® • Others: 32bit color 3D graphic card