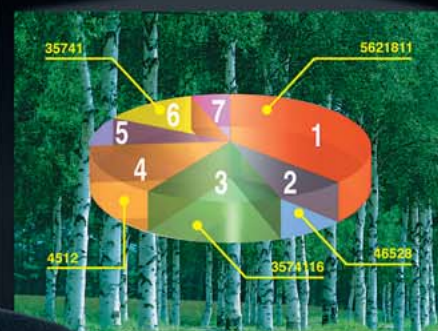LCD Projector
CP-X4020

HITACHI
Inspire the Next

4,000 Lumens Brightness
and Easy Portability with
an Ideal Balance of Essential Functions

HITACHI

3LCD

LCD Projector
CP-X4020

Portable, 4,000 Lumens Projector That Shows Its Full Capabilities in Large Spaces

■ High Brightness of 4,000 Lumens

**The CP-X4020 features high brightness output of 4,000 lumens.
It will project bright images in large meeting rooms, lecture halls, houses of worship, auditoriums... anywhere you need to use it.
Ideal for ceiling mounting, yet portable and convenient for tabletop use.**

■ New Hybrid Filter*

**Thanks to the New Filter, maintenance and cleaning are much less frequent, making longer operation possible.
Filter maintenance frequency has been improved from every 100 hours to every 4,000 hours.**

*In comparison to Hitachi CP-X600

• Actual filter maintenance necessity varies according to environment.

■ 2,000:1 High Contrast Ratio and Automatic Input Detection*

To achieve its 2,000:1 contrast ratio, the CP-X4020 features an Active Iris that is automatically controlled to ensure best image contrast and depth perspective during both bright and dark scenes. Furthermore, the CP-X4020 maximizes quality with two iris modes. The Presentation Mode is automatically engaged with computer input, and the Theater Mode with video input. *Default setting
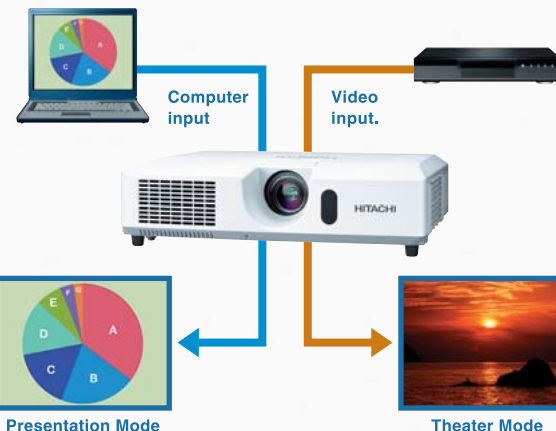
Bright scene
The active iris opens and maintains high brightness during bright scenes.

Dark scene
The active iris closes and adjusts light output in order to achieve pure black levels during dark scenes.

Computer input

Video input.

Presentation Mode

Theater Mode

■ Easy Maintenance

Having the lamp door on the top makes it easy to change the lamp. The side mounted filter cover can easily be removed with two fingers. This design cuts the time required for maintaining and replacing these parts.

Zoom/Focus Ring Cover

Lamp Door on Top

Filter Cover on the Side

■ High Image Quality

The CP-X4020 features improved image quality due to advanced optics and lamp technologies, offering optimum color balance while maintaining high brightness. Furthermore, Motion Adaptive Progressive Scan, 3:2 Pull Down, Noise Reduction and Equalizing Gamma Function allow you to project moving images with beautiful clarity.

■ Various Security Functions

This projector is equipped with a security bar that allows the easy attachment of a security chain. By using the PIN Lock, you can limit the number of users. The MyScreen function can be used to identify the owner, and is also protected by a PIN Lock. A Transition Detector can prevent unauthorized use of the projector.

Security bar

■ Low Noise of 29dB* (ECO Mode)

Employing a new fan design, the CP-X4020 achieves a low noise of 29dB in ECO Mode. With quiet operation, it is easy to give presentations or lessons without distracting the audience with noise from the projector.
*Typical. Tested in 23°C environmental conditions.

■ Convenient Audio Pass Through

Audio can be output in stand-by mode, allowing you to listen to external speakers via the projector's audio output. This saves lamp life when you only need sound.

■ 16W Internal Speaker

This projector provides high 16W power output. There is no need to connect external speakers, and even if large meeting rooms and classrooms do not have speakers, you will have all the sound you need.

■ Input Source Naming

The input source name can be changed to the name of a device you often use (notebook computer, DVD, etc.) or changed to a name that is easier to recognize. Icons of connector shapes make connections quick and easy.

■ Power Saving Mode

The Power Saving mode reduces stand-by power consumption to less than 5W. The following features are disabled: RS-232C control except power-on command, and audio capability including audio pass through.

■ Template Function*

When projecting onto a whiteboard, blackboard and so on, this function projects lines, making writing on the board easier. You can choose four types of lines. *Patent pending
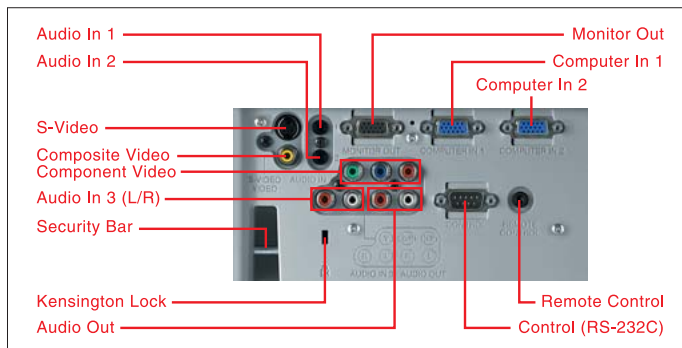
■ Other Features

• 4-Second Quick Start • Blackboard or Whiteboard Modes • Daytime Mode • Direct Power On/Off • My Button • My Text • Resolution Preset and Custom Modes • Auto Vertical Keystone Correction • My Source/ Document Camera Button on Remote Controller • Serial No. Label on Side • Security Label Included • Closed Caption (US Only) • Compatible with AMX Device Discovery
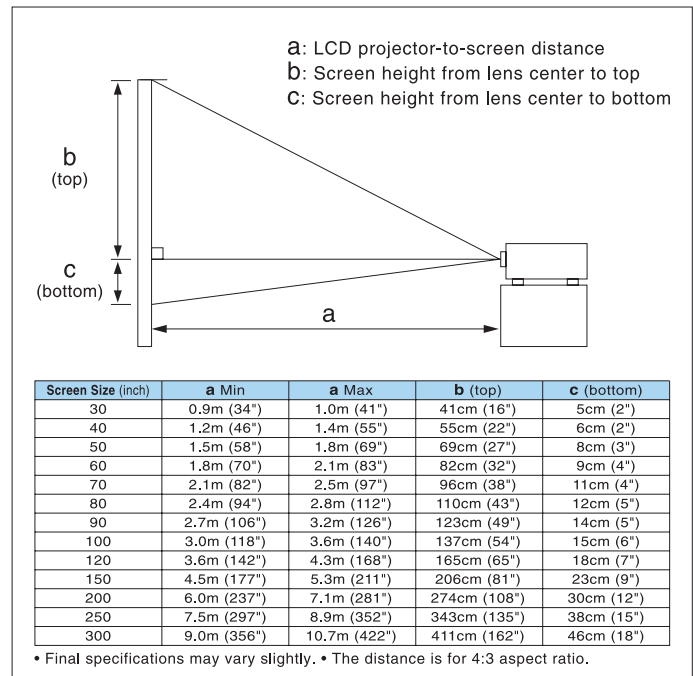
SPECIFICATIONS

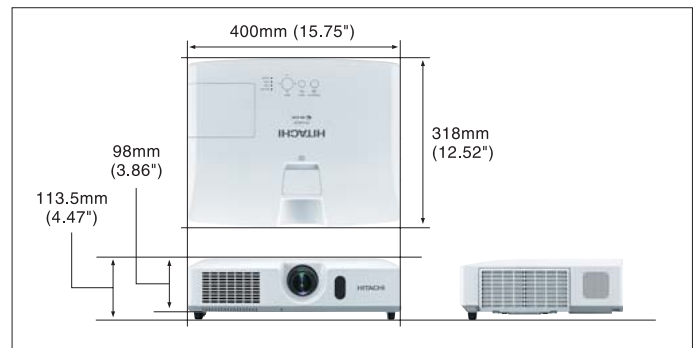|		
Model name		CP-X4020
Liquid crystal panel		0.63" (1.6cm) polysilicon active-matrix TFT x 3
Number of pixels		786,432 pixels (H1,024 x V768)
Resolution		1,024 x 768 color pixels (XGA)
Lens		Manual zoom 1:1.2
Lamp		260W UHB
Brightness		4,000 Lumens
Contrast ratio		2,000:1 (Presentation mode)
Audio		16W mono (8W x 2)
Keystone correction		Auto Vertical Keystone
Power supply		AC100-120V/AC220-240V
Operating temperature		5-35°C (41-95°F)
Input signals	Computer input	VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA, MAC16"
	Video input	NTSC, NTSC4.43, PAL, SECAM, M-PAL, N-PAL, PAL60 HDTV: 750p (720p), 1125i (1080i), 1125p (1080p) SDTV: 525i (480i), 525p (480p), 625i (576i), 625p (576p)
Input/output terminals	Video input	S-Video: Mini Din 4-pin x 1, Composite video: RCA jack x 1 Component video: RCA jack x 3
	Audio input	Stereo Mini jack x 2, RCA jack x 2 (L/R)
	Computer input	Analog RGB: 15-pin Mini-Dsub x 2
	Audio output	RCA jack x 2 (L/R)
	Monitor output	Analog RGB: 15-pin Mini -Dsub x 1
	Control	9-pin Dsub x 1 for RS232C,
	Remote control	Stereo Mini jack x 1
Agency certifications		UL/cUL, FCC Part15 class B, AS/NZS CISPR22 class B, CE, RoHS, GOST-R
Dimensions (WxHxD)		400 x 98 x 318mm (15.75" x 3.86" x 12.52") [excluding protruding part]
Weight		4.2kg (9.3 lbs.)
Standard accessories		Computer cable, Remote Control, Batteries, Lens cap, Power cord, User's manual, Security label
Optional accessories		Lamp: DT01051, Filter set: MU06641, Laser and wired remote control: HL02651, Mounting accessory: HAS-3010 (Bracket for ceiling mount), HAS-204L (Fixing adaptor for low ceilings), HAS-304H (Fixing adaptor for high ceilings)

PROJECTION DISTANCE

a: LCD projector-to-screen distance
b: Screen height from lens center to top
c: Screen height from lens center to bottom

b (top)

c (bottom)

a

Screen Size (inch)	a Min	a Max	b (top)	c (bottom)
30	0.9m (34")	1.0m (41")	41cm (16")	5cm (2")
40	1.2m (46")	1.4m (55")	55cm (22")	6cm (2")
50	1.5m (58")	1.8m (69")	69cm (27")	8cm (3")
60	1.8m (70")	2.1m (83")	82cm (32")	9cm (4")
70	2.1m (82")	2.5m (97")	96cm (38")	11cm (4")
80	2.4m (94")	2.8m (112")	110cm (43")	12cm (5")
90	2.7m (106")	3.2m (126")	123cm (49")	14cm (5")
100	3.0m (118")	3.6m (140")	137cm (54")	15cm (6")
120	3.6m (142")	4.3m (168")	165cm (65")	18cm (7")
150	4.5m (177")	5.3m (211")	206cm (81")	23cm (9")
200	6.0m (237")	7.1m (281")	274cm (108")	30cm (12")
250	7.5m (297")	8.9m (352")	343cm (135")	38cm (15")
300	9.0m (356")	10.7m (422")	411cm (162")	46cm (18")

• Final specifications may vary slightly. • The distance is for 4:3 aspect ratio.

TERMINALS

Audio In 1
Audio In 2
S-Video
Composite Video
Component Video
Audio In 3 (L/R)
Security Bar
Kensington Lock
Audio Out

Monitor Out
Computer In 1
Computer In 2
Remote Control
Control (RS-232C)

DIMENSIONS

400mm (15.75")
318mm (12.52")
98mm (3.86")
113.5mm (4.47")

Environmentally Friendly Products and Services

■ Use of environmentally friendly materials

• In compliance with RoHS 6 restricted materials, unleaded solder and harmless substitutes of hexavalent chrome in screws and steel sheets are used.
• No use of bromine or halogen incombustible compounds in cabinets.
• Use of paint-less cabinets.
• No use of vinyl chloride in mechanical parts.
• Use of recyclable carton boxes.

■ Reduction of resin usage in production

Use of hot runner molds for making cabinets in order to reduce mill ends.

■ Reduction of CO_2 emissions*

Carton size has been reduced, so 25 percent more cartons can be carried with each load, reducing CO_2 emissions during transport.
* Compared to Hitachi CP-X600.

■ Power saving mode engaged during stand-by

■ ECO mode

ECO mode provides power saving according to usage conditions.

■ Facilitating separation of recyclables

Raw materials indicated on plastic parts.

• This catalog is printed on recycled paper and using environmentally friendly soy-based ink.

• Design and specifications are subject to change without notice.

dnx pixelworks™

ISO 14001 JACO EC96J1053

UKAS ENVIRONMENTAL MANAGEMENT 051

Hitachi, Ltd. Consumer Business Group has received ISO 14001 certification.

HITACHI