MULTI PURPOSE

LCD PROJECTORS

CP-X4011N CP-X3020

CP-X3011N CP-WX3011N

CP-X2520 CP-X2511N

















Cutting-edge projection for all

At the heart of the Hitachi philosophy is innovation. Our new Multi Purpose projector range brings together the finest features for business and education. Whichever model you choose, you'll find top-of-the range picture quality, security and networking, in a user-friendly package. Hitachi is dedicated to lowering costs and protecting the environment, so the range also features longer-life parts and energy-saving settings.

Outstanding picture quality

Exceptional contrast

Hitachi's networkable models feature a 2000:1 contrast ratio which you'd expect from high-end projectors. In addition these models also benefit from our Active Iris technology. This automatically ensures optimal image contrast and depth perspective during both bright and dark scenes – for the brightest whites, blackest blacks and boldest colours.





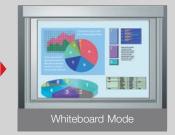
High picture quality

In this projector range, Hitachi brings together a variety of innovative features for superior picture quality. Motion Adaptive Progressive Scan reduces line flicker, boosting resolution and smoothing moving images. Noise Reduction boosts clarity. And Hitachi's unique Equalising Gamma Function helps you customise gamma and colour balance to suit your personal picture preferences.

Blackboard and Whiteboard Modes

Projecting onto coloured backgrounds can make images appear dull – whilst shiny backgrounds can make them uncomfortably bright. With our Blackboard and Whiteboard modes, you can ensure optimal brightness whether the screen is black, green or shiny white.





Daytime Mode

It can be harder to see a projected picture when the sun is shining brightly. Using Daytime Mode, projections are always vivid and colourful in a bright environment.





Virtually maintenance-free



Hitachi projectors are stylish, practical and cutting-edge – but we also work hard to ensure they are as green as possible at every

stage of their lifecycle. That's why the 1W Standby Mode is an important new feature on all Hitachi projectors.

A new European Directive may soon limit the power consumption of projectors in standby to 1W or less. But at Hitachi, we're one step ahead. As part of our Environmental Vision, we've already ensured that all the projectors have this power-saving feature. So from 2010, you'll save energy even if you need to leave your projector in Standby Mode.

This is one of many steps Hitachi is taking to help minimise our impact on the environment.

Hitachi's projectors use components which help in the overall reduction of their carbon footprint.



Super Hybrid Filter

The new Hitachi Super Hybrid Filter is the best you'll find on the market. It lasts an exceptional 6000 hours – to make maintenance less frequent and reduce replacement costs.



Long lamp life

Now you can benefit from longer lamp life than ever before. Using the new Eco Mode, lamp life is extended to more than 6000 hours* – equivalent to the projector being used for three hours a day over a period of ten years.



Long filter life

A Hitachi filter should last as long as the projector lamp. And because replacement lamps come with a new filter, you can simply replace both at the same time, making it unnecessary to clean the filter.

Usability

Template function

This unique Hitachi feature allows you to project lines, grids and maps onto a whiteboard, blackboard or flip chart, to make writing and drawing easier.



Audio Pass Through

Audio Pass through allows the user to listen to external speakers via the projectors audio output whilst in standby mode, so you experience audio without images. This feature preserves the lamp life when you only need sound.



My Button

This customisable feature allows the user to to assign a designated or frequently used function from the menu to this button. In addition the green button on the top of CP-X2520 and CP-X3020 clears the screen instantly.



Multi PC Mode

The Multi PC Mode is perfect for use in meetings and the classroom as it allows up to four people to project their PC screens at the same time via a network. (Network models only)



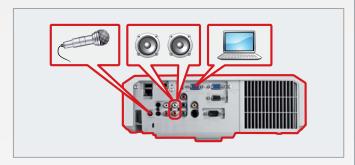
New OSD (On Screen Display) Menu and Input Source Naming

The new intuitive icons featured in the On Screen Display clearly identify the different functions and settings enabling easy navigation and installation. In addition, input Sources can be personalised so that they are easier to understand and identify – for instance, 'S-Video' can become 'DVD player'.



Microphone input and amplifier

The two 8 watt speakers and microphone system found on the CP-X2511N, CP-X3011N, CP-WX3011N and the CP-X4011N provide the user with a convenient audio solution.



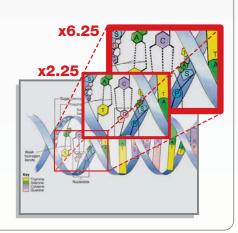
PC-Less Presentation

Start your presentations smoothly and quickly with Hitachi's PC-Less presentation mode. Simply insert a USB storage device and present, without the need for a PC. You can also select which slide or image to display from a list of thumbnails.



Zoom function

The new zoom function allows the user to select which area of their image they wish to enlarge. Great for teachers who wish to explain a particular part of a diagram in detail. (Applicable to CP-RX79, CP-X2520, CP-X3020)



Advanced network functions (CP-X2511N, CP-X3011N, CP-WX3011N and CP-X4011N)

Messenger function

This clever function lets you send text to multiple, networked projectors instantly or at a specified time. This is ideal for projecting daily work schedules, university campus notifications, school activities or any information that needs to go out over a large area – fast.







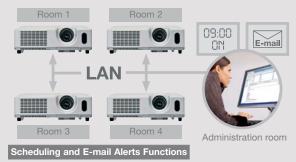


Convenient networking functions

Now you can manage and control multiple projectors over your LAN. The projector can monitor and diagnose its own status, as well as that of other network applications. You can also schedule

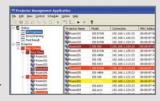


the projector to turn on and off automatically. And all of this functionality can be easily accessed via a web browser.



Centralised reporting functions

Using a single PC, you can create detailed reports for all your networked projectors. This can make maintenance simpler – for example, by revealing any projector that isn't working or any projectors that are due for maintenance.



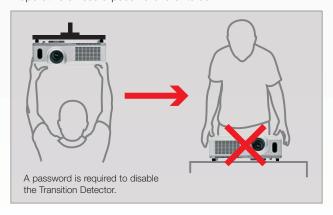


Security

Transition Detector

Hitachi's range of Multi Purpose projectors are equipped with comprehensive security features to help protect your projector at all times.

If the projector is removed from its installed location, it triggers Hitachi's unique Transition Detector. This renders the projector inoperative unless a password is entered.



PIN-Lock

The PIN-Lock ensures only authorised people can use the projector by entering their unique PIN code. This screen can be branded to your company or educational establishment using the MyScreen function.







Security bar

Projectors are equipped with a security bar allowing a chain to be attached for physical security.















TECHNICAL SPECIFICATIONS				MULTI PURPOSE			
MODEL	CP-X2511N	CP-X3011N	CP-WX3011N	CP-X4011N	CP-RX79	CP-X2520	CP-X3020
OPTICAL							
Resolution Brightness Contrast ratio	XGA (1024 x 768) 2700 ANSI Lumens (Normal Mode) 1800 ANSI Lumens (Eco Mode) 2000:1	XGA (1024 x 768) 3200 ANSI Lumens (Normal Mode) 2100 ANSI Lumens (Eco Mode) 2000:1	WXGA (1280 x 800) 3000 ANSI Lumens (Normal Mode) 2000 ANSI Lumens (Eco Mode) 2000:1	XGA (1024 x 768) 4000 ANSI Lumens (Normal Mode) 2700 ANSI Lumens (Eco Mode) 2000:1	XGA (1024 x 768) 2200 ANSI Lumens (Normal Mode) 1500 ANSI Lumens (Eco Mode) 500:1	XGA (1024 x 768) 2700 ANSI Lumens (Normal Mode) 1900 ANSI Lumens (Eco Mode) 500:1	XGA (1024 x 768) 3200 ANSI Lumens (Normal Mode) 2200 ANSI Lumens (Eco Mode) 500:1
Lens Mirror	Manual focus, Manual zoom x 1.2	Manual focus, Manual zoom x 1.2	Manual focus, Manual zoom x 1.2				
Lamp life Diagonal display size Keystone correction Distance to width ratio	3000 hours (Normal Mode)/6000 hours (Eco Mode)* 30~300" (76~762cm) Fixed, 9:1 upward shift 1.5 (Wide), 1.8 (Tele)	3000 hours (Normal Mode)/6000 hours (Eco Mode)* 30~300" (76~762cm) Fixed, 9:1 upward shift 1.5 (Wide), 1.8 (Tele)	3000 hours (Normal Mode)/6000 hours (Eco Mode)* 30~300" (76~762cm) Fixed, 49:1 upward shift 1.5 (Wide), 1.8 (Tele)	3000 hours (Normal Mode)/6000 hours (Eco Mode)* 30~300" (76~762cm) Fixed, 9:1 upward shift 1.5 (Wide), 1.8 (Tele)	3000 hours (Normal Mode)/4000 hours (Eco Mode)* 30~300" (76~762cm) Fixed, 6:1 upward shift 1.5 (Wide), 1.8 (Tele)	3000 hours (Normal Mode)/4000 hours (Eco Mode)* 30~300" (76~762cm) Fixed, 6:1 upward shift 1.5 (Wide), 1.8 (Tele)	3000 hours (Normal Mode)/4000 hours (Eco Mode)* 30~300" (76~762cm) Fixed, 6:1 upward shift 1.5 (Wide), 1.8 (Tele)
COMPATIBILITY							
Computer compatibility Composite/S-Video Component Video	IBM Compatible VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA (compressed), MAC 16" NTSC/PAL/SECAM/PAL-M/PAL-N/NTSC4.43/PAL60 SDTV: 480i, 480p, 576i, 576p HDTV: 720p(@50/60Hz), 1080i(@50/60Hz),	IBM Compatible VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA (compressed), MAC 16" NTSC/PAL/SECAM/PAL-M/PAL-IN/TSC4.43/PAL60 SDTV: 480i, 480p, 576i, 576p HDTV: 720p(@50/60Hz), 1080i(@50/60Hz),	IBM Compatible VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA (compressed), MAC 16" NTSC/PAL/SECAM/PAL-M/PAL-N/NTSC4.43/PAL60 SDTV: 480i, 480p, 576i, 576p HDTV: 720p(@50/60Hz), 1080i(@50/60Hz),	IBM Compatible VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA (compressed), MAC 16" NTSC/PAL/SECAM/PAL-M/PAL-NVTSC4.43/PAL60 SDTV: 480i, 480p, 576i, 576p HDTV: 720p(@50/60Hz), 1080i(@50/60Hz),	IBM Compatible VGA, SVGA, XGA, WXGA+, SXGA, SXGA+, UXGA (compressed), MAC 16" NTSC/PAL/SECAM/PAL-M/PAL-I/N/TSC4.43 SDTV: 480i, 480p, 576i, 576p HDTV: 720p(@50/60Hz), 1080i(@50/60Hz),	IBM Compatible VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WXGA+, MAC 16" NTSC/PAL/SECAM/PAL-M/PAL-N/NTSC4.43 SDTV: 480i, 480p, 576i, 576p HDTV: 720p(@50/60Hz), 1080i(@50/60Hz),	IBM Compatible VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WXGA+, MAC 1-6" NTSC/PAL/SECAM/PAL-M/PAL-N/NTSC4.43 SDTV: 4801, 480p, 5761, 576p HDTV: 720p(@50/60Hz), 10801(@50/60Hz),
HDMI Video	1080p(@50/60Hz) Signat: 525i(480l), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60),	1080p(@50/60Hz) Signal: 525i(480i), 525p(480p), 625i(576i),	1080p(@50/60Hz) Signal: 525i(480i), 525p(480p), 625i(576i),	1080p(@50/60Hz) Signal: 525i(480i), 525p(480p), 625i(576i),	1080p(@50/60Hz)	1080p(@50/60Hz)	1080p(@50/60Hz) -
Plug & Play	1125)(1080)@50/60) DDC2B	1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60) DDC2B	1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60) DDC2B	1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60) DDC2B	DDC2B	DDC2B	DDC2B
FEATURES							
Speaker Basic functions Picture adjustments	16W Mono Freeze, Magnifying, Blank, Auto adjustment, Search, Page UP&DOWN (for USB mouse function) Equalizing Gamma Correction, 2-3 pull down, Progressive Scan, Noise Reduction	16W Mono Freeze, Magnifying, Blank, Auto adjustment, Search, Page UP&DOWN (for USB mouse function) Equalizing Gamma Correction, 2-3 pull down, Progressive Scan, Noise Reduction	16W Mono Freeze, Magnifying, Blank, Auto adjustment, Search, Page UP&DOWN (for USB mouse function) Equalizing Gamma Correction, 2-3 pull down, Progressive Scan, Noise Reduction	16W Mono Freeze, Magnifying, Blank, Auto adjustment, Search, Page UP&DOWN (for USB mouse function) Equalizing Gamma Correction, 2-3 pull down, Progressive Scan, Noise Reduction	- Freeze, Magnifying, Blank, Auto adjustment, Search Equalizing Gamma Correction, 2-3 pull down, Progressive Scan, Noise Reduction	1W Mono Freeze, Magnifying, Blank, Auto adjustment, Search, Page UP & DOWN (for USB mouse function) Equalising Gamma Correction, 2-3 pull down, Progressive Scan, Noise Reduction	1W Mono Freeze, Magnifying, Blank, Auto adjustment, Search, Page UP & DOWN (for USB mouse function) Equalising Gamma Correction, 2-3 pull down, Progressive Scan, Noise Reduction
Digital keystone Advanced features	Auto V keystone ± 30 degrees(@XGA 60Hz) MyScreen, My Memory, Blank/My Button, My Text, My Source, blackboard/whiteboard mode, Daytime Mode, Input Source Naming (English), resolution setting, Template, Closed Caption (for NTSC & component 480i only), Audio pass through	Auto V keystone ± 30 degrees(@XGA 60Hz) MyScreen, My Memory, Blank/My Button, My Text, My Source, blackboard/whiteboard mode, Daytime Mode, Input Source Naming (English), resolution setting, Template, Closed Caption (for NTSC & component 480i only), Audio pass through	Auto V keystone ± 30 degrees(@XGA 60Hz) MyScreen, My Memory, Blank/My Button, My Text, My Source, blackboard/whiteboard mode, Daytime Mode, Input Source Naming (English), resolution setting, Template, Closed Caption (for NTSC & component 480i only), Audio pass through	Auto V keystone ± 30 degrees(@XGA 60Hz) MyScreen, My Memory, Blank/My Button, My Text, My Source, blackboard/whiteboard mode, Daytime Mode, Input Source Naming (English), resolution setting, Template, Closed Caption (for NTSC & component 480i only), Audio pass through	Manual V keystone ± 30 degrees(@XGA 60Hz) MyScreen, My Memony, Blank/My Button, My Text, My Source, blackboard/whiteboard mode, Daytime Mode, Input Source Naming (English), resolution setting, Template, Closed Caption (for NTSC & component 480i only), Audio pass through	Auto V keystone ±30 degrees (@XGA 60Hz) MyScreen, My Memory, Blank/My Button, My Text, My Source, blackboard/whiteboard mode, Daytime Mode, Input Source Naming (English), resolution setting, Template, Closed Caption (for NTSC & component 480i only), Audio pass through	Auto V keystone ±30 degrees (@XGA 60Hz) MyScreen, My Memory, Blank/My Button, My Text, My Source, blackboard/whiteboard mode, Daytime Mode, Input Source Naming (English), resolution settling, Template, Closed Caption (for NTSC & component 480i only), Audio pass through
Outward	Easy lamp replace from top, Air filter slides towards front side or top	Easy lamp replace from top, Air filter slides towards front side or top	Easy lamp replace from top, Air filter slides towards front side or top	Easy lamp replace from top, Air filter slides towards front side or top	Easy lamp replace from top, Air filter on side	Easy lamp replace from top, Air filter on side	Easy lamp replace from top, Air filter on side
Power on & off Security systems	Quick On, Direct On, Auto Off Security bar, PIN-Lock, MyScreen Password, Keypad-Lock, Kensington slot, Transition detector, My Text Lock, Security label	Quick On, Direct On, Auto Off Security bar, PIN-Lock, MyScreen Password, Keypad-Lock, Kensington slot, Transition detector, My Text Lock, Security label	Quick On, Direct On, Auto Off Security bar, PIN-Lock, MyScreen Password, Keypad-Lock, Kensington slot, Transition detector, My Text Lock, Security label	Quick On, Direct On, Auto Off Security bar, PIN-Lock, MyScreen Password, Keypad-Lock, Kensington slot, Transition detector, My Text Lock, Security label	Quick On, Direct On, Auto Off Security bar, PIN-Lock, MyScreen Password, Keypad-Lock, Kensington slot, My Text	Quick On, Direct On, Auto Off Security bar, PIN-Lock, MyScreen Password, Keypad-Lock, Kensington slot, Transition detector, My Text, Security label	Quick On, Direct On, Auto Off Security bar, PIN-Lock, MyScreen Password, Keypad-Lock, Kensington slot, Transition detector, My Text, Security label
Network	Configure and control projector via web browser, receive alerts via e-mail, projector management via SNMP, Scheduling, My Image, displaying text data transferred via the network, Command Control via network, AMX Device Discovery, PJ Link TM , Network Bridge	Configure and control projector via web browser, receive alerts via e-mail, projector management via SNMP, Scheduling, My Image, displaying text data transferred via the network, Command Control via network, AMX Device Discovery, PJ Link TM , Network Bridge	Configure and control projector via web browser, receive alerts via e-mail, projector management via SNMP, Scheduling, My Image, displaying text data transferred via the network, Command Control via network, AMX Device Discovery, PJ Link TM , Network Bridge	Configure and control projector via web browser, receive alerts via e-mail, projector management via SNMP, Scheduling, My Image, displaying text data transferred via the network, Command Control via network, AMX Device Discovery, PJ Link TM , Network Bridge	-	—	-
CONNECTIONS	4 1/01/	4 UDW	4 1/01/	4 1/01/			
Digital input Computer input	1 x HDMI 2 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub			
Computer output Video input	1 x 15-pin Mini D-sub 1 x RCA for component 2 x Component D-sub (shared with analogue RGB) 1 x RCA for composite	1 x 15-pin Mini D-sub 1 x RCA for component 2 x Component D-sub (shared with analogue RGB) 1 x RCA for composite	1 x 15-pin Mini D-sub 1 x RCA for component 2 x Component D-sub (shared with analogue RGB) 1 x RCA for composite	1 x 15-pin Mini D-sub 1 x RCA for component 2 x Component D-sub (shared with analogue RGB) 1 x RCA for composite	1 x Component (shared with analogue RGB) 1 x RCA for composite	1 x 15-pin Mini D-sub 2 x Component D-sub (shared with analogue RGB) 1 x RCA for composite 1 x Mini-DIN for S-Video	1 x 15-pin Mini D-sub 2 x Component D-sub (shared with analogue RGB) 1 x RCA for composite 1 x Mini-DIN for S-Video
Audio input	1 x Mini-DIN for S-Video 2 x Stereo Mini Jack 1 x pair RCA (L/I) 1 x Microphore Jack (Stereo Mini)	1 x Mini-DIN for S-Video 2 x Stereo Mini Jack 1 x pair RCA (LP) 1 x Microphone Jack (Stereo Mini)	1 x Mini-DIN for S-Video 2 x Stereo Mini Jack 1 x pair RCA (LR) 1 x Microphore Jack (Stereo Mini)	1 x Mini-DIN for S-Video 2 x Stereo Mini Jack 1 x pair RCA (L/R) 1 x Microphone Jack (Stereo Mini)	-	2 x Stereo Mini Jack	2 x Stereo Mini Jack
Audio output Control USB Type A/Type B	1 x pair RCA (L/R) 1 x 9-pin D-sub for RS-232C control Yes (PC less presentation)/Yes (USB mouse)	1 x pair RCA (L/R) 1 x 9-pin D-sub for RS-232C control Yes (PC less presentation)/Yes (USB mouse)	1 x pair RCA (L/R) 1 x 9-pin D-sub for RS-232C control Yes (PC less presentation)/Yes (USB mouse)	1 x pair RCA (L/R) 1 x 9-pin D-sub for RS-232C control Yes (PC less presentation)/Yes (USB mouse)	=	1 x Stereo Mini Jack 1 x 9-pin D-sub for RS-232C control No/Yes (USB mouse)	1 x Stereo Mini Jack 1 x 9-pin D-sub for RS-232C control No/Yes (USB mouse)
Network	1 x RJ-45	1 x RJ-45	1 x RJ-45	1 x RJ-45	-	-	=
POWER							
Power Supply Power Consumption/Standby	100-120V/220-240V, auto switching 310W/<1W	100-120V/220-240V, auto switching 310W/<1W	100-120V/220-240V, auto switching 310W/<1W	100-120V/220-240V, auto switching 310W/<1W	100-120V/220-240V, auto switching TBD/<0.5W	100-120V/220-240V, auto switching 270W/<0.5W	100-120V/220-240V, auto switching TBD/<0.5W
Dimensions (W x H x D)	317 x 98 x 288mm (excluding feet and extrusions)	317 x 98 x 288mm (excluding feet and extrusions)	317 x 98 x 288mm (excluding feet and extrusions)	317 x 98 x 288mm (excluding feet and extrusions)	306 x 221 x 77mm (excluding feet and extrusions)	306 x 221 x 77mm (excluding feet and extrusions)	306 x 221 x 77mm (excluding feet and extrusions)
Weight Noise level	3.5Kg 36dB (Normal Mode)/29dB (Eco Mode)	3.5Kg 36dB (Normal Mode)/29dB (Eco Mode)	3.6Kg 36dB (Normal Mode)/29dB (Eco Mode)	3.5Kg 36dB (Normal Mode)/29dB (Eco Mode)	2.1Kg 35dB (Normal Mode)/28dB (Eco Mode)	2.2Kg 35dB (Normal Mode)/28dB (Eco Mode)	2.2Kg 35dB (Normal Mode)/28dB (Eco Mode)
Air filter	Hybrid	Hybrid	Hybrid	Hybrid	Urethane	Hybrid	Hybrid
MISCELLANEOUS	Indicator lights (lamp, temp, power), Ceiling mount image, Rear projection image, Serial number label on side	Indicator lights (lamp, temp, power), Ceiling mount image, Rear projection image, Serial number label on side	Indicator lights (lamp, temp, power), Ceiling mount image, Rear projection image, Serial number label on side	Indicator lights (lamp, temp, power), Ceiling mount image, Rear projection image, Serial number label on side	Indicator lights (lamp, temp, power), Ceiling mount image, Rear projection image, Serial number label on side	Indicator lights (lamp, temp, power), Ceiling mount image, Rear projection image, Serial number label on side	Indicator lights (lamp, temp, power), Ceiling mount image, Rear projection image, Serial number label on side
ACCESSORIES SUPPLIED Remote controls	Remote control with batteries, Computer cable, Power cord, Lens cap, Security label, User manual (detail & concise), Application software for LAN display HL02483	Remote control with batteries, Computer cable, Power cord, Lens cap, Security label, User manual (detail & concise), Application software for LAN display HL02483	Remote control with batteries, Computer cable, Power cord, Lens cap, Security label, User manual (detail & concise), Application software for LAN display HL02483	Remote control with batteries, Computer cable, Power cord, Lens cap, Security label, User manual (detail & concise), Application software for LAN display HL02483	Remote control with batteries, Computer cable, Power cord, User manual (detail & concise) HL02771	Remote control with batteries, Computer cable, Power cord, Lens cap, Security label, User manual (detail & concise) HL02771	Remote control with batteries, Computer cable, Power cord, Lens cap, Security label, User manual (detail & concise) HL02771
OPTIONAL ACCESSORIES Replacement lamp/Lamp Wattage	DT01021/210W UHB	DT01021/210W UHB	DT01021/210W UHB	DT01021/210W UHB	DT01151/200W UHB	DT01141/200W UHB	DT01141/200W UHB
WARRANTY Projector warranty/Lamp warranty	3 Years/6 Months**	3 Years/6 Months**	3 Years/6 Months**				

Connectivity

You can connect the Multi Purpose range of projectors to a variety of devices, to support all your projection needs. From DVD players, monitors and PCs, to the Local Area Network and a simple mouse connection, Hitachi has done everything possible to create the most flexible user experience.



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