Why buy Hitachi?

Easy to use
Plug in, turn on and teach. Hitachi projectors have a quick on/off feature, automatic resolution and a user-friendly teachers' remote control letting you concentrate on what matters - the lesson.

Low total cost of ownership
Hitachi education projectors consume less than 0.5W (Standby Mode) of power and are equipped with intuitive energy saving settings. They also contain comprehensive security features to protect your investment, while long life lamps and filters* significantly extend maintenance cycles and prevent replacement costs.
*Excludes CP-RX94

Minimal maintenance
Hitachi projectors are renowned for their quality and reliability. Our filters* have been designed to last as long as our lamps, making it unnecessary to clean the filter. Hitachi provides a new filter within the box of a new lamp so that both parts can be serviced at the same time, reducing maintenance visits.
*Excludes CP-RX94

Security
Eliminate security worries. Hitachi education projectors come with multilevel PIN-Locks, transition detector, steel security bar and Kensington Lock point.

Make the most of your lessons
with Hitachi Education Projectors

3 Year projector and lamp warranty on all Hitachi Education projectors
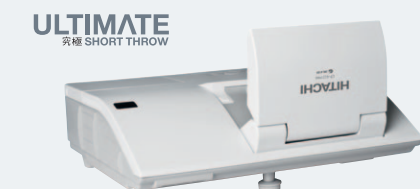
CP-AW2519NM
Ultimate Interactive Projector
With the Hitachi Ultimate CP-AW2519NM projector, any existing whiteboard, wall or table top can become an interactive teaching aid, compelling attention and involvement enhancing the learning experience.

ULTIMATE究極 INTERACTIVE

CP-A221NM
Ultimate Short Throw Projector
Since we developed our first short throw projector, we've be refining and streamlining our design to make it more functional, more attractive and more convenient. The compact, lightweight chassis makes the CP-A221NM easy to install and flexible to use. With the bundled wall mount and optional table top kit you can project onto any existing whiteboard, wall or table top.

ULTIMATE SHORT THROW

product design award 2012

CP-X2021WN
Portable Projector
Designed for teaching environments, Hitachi's compact and light weight CP-X2021WN portable education projector delivers a superb high contrast image. With wireless network capabilities and simple user functionality teachers and students can set up their presentations in seconds.

CP-RX94
Portable Projector
With simple user functionality and a compact design teachers and students can set up their presentations in seconds. This model offers high quality performance and exceptional value for money.
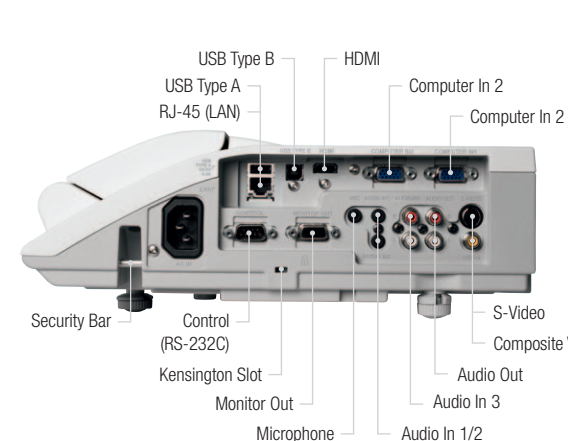
Hitachi's environmental vision

"Our education hardware products mean better performance not just for the classroom, but for the environment. Thanks to environmentally friendly materials, an environmentally aware approach to manufacturing, more efficient distribution and reduced packaging we have reduced their environmental impact before they even reach your classroom."
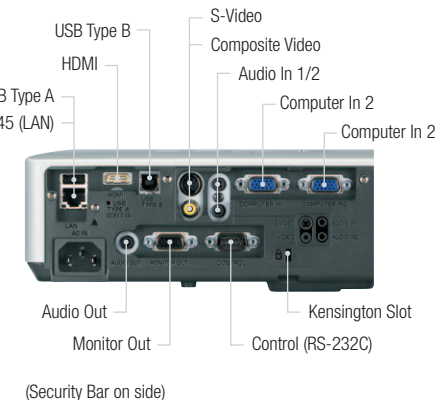

EDUCATION
LCD PROJECTORS

▸ CP-AW2519NM ▸ CP-A221NM
▸ CP-X2021WN ▸ CP-RX94

INNOVATE
The Future of Projection

if product design award 2012

Specifications

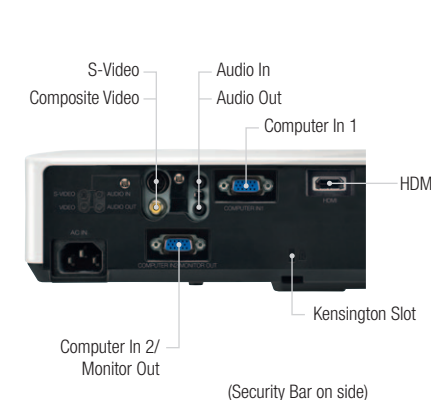| MODEL	CP-AW2519NM ULTIMATE INTERACTIVE	CP-A221NM ULTIMATE SHORT THROW	CP-X2021WN WIRELESS NETWORKING	CP-RX94 LIGHTWEIGHT & PORTABLE
OPTICAL				
Resolution	WXGA (1280 x 800)	XGA (1024 x 768)	XGA (1024 x 768)	XGA (1024 x 768)
Light output (brightness) (Lumens)	2500 (Bright Mode)/1700 (Normal Mode)	2200 (Bright Mode)/1500 (Normal Mode)	2200 (Bright Mode)/1400 (Normal Mode)	2600 (Bright Mode)/1700 (Normal Mode)
Contrast ratio	2000:1	2000:1	2000:1 (Intelligent Eco Mode)	2000:1 (Intelligent Eco Mode)
Lens	Free shaped lens and motorised free shaped mirror	Free shaped lens and motorised free shaped mirror	Manual focus, manual zoom x 1.2	Manual focus, manual zoom x 1.2
Lamp life (Hours)	3000 (Bright Mode)/5000 (Normal Mode)*	3000 (Bright Mode)/5000 (Normal Mode)*	3000 (Bright Mode)/5000 (Normal Mode)*	3000 (Bright Mode)/5000 (Normal Mode)*
Diagonal display size	60–100" (152–254cm)	60–100" (152–254cm)	30–300" (76–762cm)	30–300" (76–762cm)
Keystone correction	Fixed, 5.2:-1 upward shift	Fixed, 6.1:-1 Upward shift	Fixed, 6.1 upward shift	Fixed, 6.1 upward shift
Distance to width ratio (:1)	0.3:1 (fixed)	0.3:1 (fixed)	1.5 (Wide), 1.8 (Tele)	1.5 (Wide), 1.7 (Tele)
FEATURES				
Speaker	10W Mono	10W Mono	1W Mono	1W Mono
Basic functions	Freeze, Magnifying, Blank, Auto adjustment, Search	Freeze, Magnifying, Blank, Auto adjustment, Search	Freeze, Magnifying, Blank, Auto adjustment, Search, Page UP & DOWN (for USB mouse function)	Freeze, Magnifying, Blank, Auto adjustment, Search
Picture adjustments	Equalizing Gamma Correction, 2-3 pull down, Progressive Scan, Noise Reduction, Perfect Fit	Equalizing Gamma Correction, 2-3 pull down, Progressive Scan, Noise Reduction, Perfect Fit	Equalising Gamma Correction, 2-3 Pull down for NTSC, Progressive Scan, Noise Reduction	Equalising Gamma Correction, 2-3 Pull down for NTSC, Progressive Scan, Noise Reduction
Digital keystone	Manual V & H keystone correction	Manual V & H keystone correction	Auto V keystone ±30 degrees	Manual V keystone ±30 degrees
Advanced features	Drawing function (optional wireless pen table needed), MyScreen, My Memory, My Button by remote control, Blackboard/Whiteboard mode, Daytime Mode, Input source naming (English), Resolution setting, Template, Saving mode, AudioPass through, My Text	Drawing function (optional wireless pen table needed), MyScreen, My Memory, My Button by remote control, Blackboard/Whiteboard mode, Daytime Mode, Input source naming (English), Resolution setting, Template, Saving mode, AudioPass through, My Text	MyScreen, My Memory, ECO Button, My Button, My Text, My Source, blackboard/whiteboard mode, Daytime Mode, Input Source Naming (English), resolution setting, Crestron RoomView®, Template, Closed Caption (for NTSC & component 480i only), Audio pass through	MyScreen, My Memory, ECO Button, 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
Outward	Easy lamp replace from top, Rear intake air filter	Easy lamp replace from top, Rear intake air filter	Easy lamp replace from top, Air filter on side	Easy lamp replace from top, Air filter on side
Power on & off	Quick On, Direct On, Direct Off	Quick On, Direct On, Direct Off	Quick Power On, Direct On, Auto Off, Auto Eco Mode	Direct On, Auto Off, Auto Eco Mode
Security systems	PIN Security Lock, MyScreen Password Lock, Transition Detector, Text Password Lock, Key Lock (key pad, remote control), Kensington slot, Security bar, Lens door lock	PIN Security Lock, MyScreen Password Lock, Transition Detector, Text Password Lock, Key Lock (key pad, remote control), Kensington slot, Security bar, Lens door lock	Security bar, PIN-Lock, MyScreen Password Lock, My Text Password Lock, Key Lock (key pad, Remote Control), Kensington slot	Security bar, PIN-Lock, MyScreen Password Lock, My Text Password Lock, Key Lock (Key pad, Remote Control), Kensington slot
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, Messenger, PJ Link™, Network Bridge, content via LAN, MAC address displayed on the side	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, Messenger, PJ Link™, Network Bridge, content via LAN, MAC address displayed on the side	Campus Notification System, Moderator Control Mode, Multi-Projector Mode, Configure and control projector via web browser, Receive alerts via e-mail, Projector management via SNMP, Crestron RoomView, Scheduling, My Image, Displaying text data transferred via the network, Command Control via network, AMX Device Discovery, PJ Link™, Network Bridge	–
CONNECTIONS				
Digital input	1 x HDMI	1 x HDMI	1 x HDMI (HDCP Compliant)	1 x HDMI (HDCP Compliant)
Computer input	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub
Monitor output	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub
Video input	2 x Component D-sub (shared with analogue RGB) 1 x RCA for composite 1 x Mini-DIN for S-Video	1 x Component D-sub (shared with analogue RGB) 1 x RCA for composite 1 x Mini-DIN for S-Video	2 x Component D-sub (shared with analogue RGB) 1 x RCA for composite 1 x Mini-DIN for S-Video	2 x Component D-sub (shared with analogue RGB) 1 x RCA for composite 1 x Mini-DIN for S-Video
Audio input	2 x Stereo Mini Jack 1 x pair RCA (L/R), 1 x Microphone Jack	2 x Stereo Mini Jack 1 x pair RCA (L/R), 1 x Microphone Jack	2 x Stereo Mini Jack	1 x Stereo Mini Jack
Audio output	1 x pair RCA (L/R	1 x pair RCA (L/R	1 x Stereo Mini Jack	1 x Stereo Mini Jack
USB Type A/Type B	Yes/Yes	Yes/Yes	Yes/Yes	–/–
Wired network	1-RJ-45	1-RJ-45	1-RJ-45	–
Wireless network	–	–	Option, IEEE801.11b/g/n ready	–
Control	1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control	1 x 9-pin D-sub for RS-232C control	–
POWER				
Power supply	100-120V/220-240V, auto switching	100-120V/220-240V, auto switching	100-120V/220-240V, auto switching	100-120V/220-240V, auto switching
Power consumption/Standby	300W/<0.3W	300W/<0.3W	310W/<0.4W (AC 220-240V)	270W/<0.4W (AC 220 - 240V)
Replacement lamp/lamp Wattage	DT01181/210W UHB	DT01181/210W UHB	DT01191/215W UHB	DT01241/215W UHB
PHYSICAL				
Dimensions (W x H x D)	345 x 102 x 303mm (excluding feet and extrusions when mirror is closed)	345 x 85 x 303mm (excluding feet and extrusions when mirror is closed)	306 x 77 x 221mm (excluding feet and extrusions)	306 x 77 x 221mm (excluding feet and extrusions)
Weight	4.1Kg	3.8Kg	Approximately 2.3Kg	Approximately 2.3Kg
Noise level	34dB (Bright Mode)/28dB (Normal Mode)	34dB (Bright Mode)/28dB (Normal Mode)	35dB (Bright Mode)/28dB (Normal Mode)	35dB (Bright Mode)/28dB (Normal Mode)
Air filter	Hybrid (Up to 5000 Hours)	Hybrid (Up to 5000 Hours)	Hybrid (Up to 5000 Hours)	Urethane (up to 1000 hours)
WARRANTY				
Projector warranty/lamp warranty	3 years/3 years (5000 Hours)** (Normal Mode)	3 Years/3 Years (5000 Hours)** (Normal Mode)	3 Years/3 Years (5000 Hours)** (Normal Mode)	3 Years/3 Years (5000 Hours)** (Normal Mode)

Connectivity

CP-AW2519NM & CP-A221NM
USB Type B — HDMI — Computer In 2 — Computer In 2
USB Type A
RJ-45 (LAN)
Security Bar — Control (RS-232C) — S-Video — Composite Video — Audio Out — Audio In 3 — Audio In 1/2
Kensington Slot — Monitor Out — Microphone

CP-X2021WN
USB Type B — S-Video — Composite Video — Audio In 1/2
HDMI — Computer In 2 — Computer In 2
USB Type A
RJ-45 (LAN)
Audio Out — Monitor Out — Control (RS-232C) — Kensington Slot
(Security Bar on side)

CP-RX94
S-Video — Composite Video — Audio In — Audio Out — Computer In 1
Computer In 2/ Monitor Out — HDMI — Kensington Slot
(Security Bar on side)

3LCD HYBRID FILTER HDMI HD ready LAN CRESTRON AMX

HITACHI
Inspire the Next

Make the most of your lessons with Hitachi Education Projectors

Hitachi has developed a series of LCD projectors specifically designed for educators. Whether you present in schools, colleges or universities, you can find a model to meet your needs. Hitachi's latest generation of projectors offer unparalleled clarity and brightness, coupled with industry leading practicality, portability and ease of use.

Low Total Cost of Ownership

All Hitachi education solutions benefit from the latest features and functions to reduce Total Cost of Ownership (TCO). All our education projectors consume less than 0.5W of electricity and have long life parts making them virtually maintenance free.

Long lamp life
Now you can benefit from longer lamp life than ever before. Using Normal Mode, lamp life is extended up to 5000 hours – equivalent to three hours use a day for ten years.

Long life hybrid filter*
A Hitachi hybrid 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 filter cleaning unnecessary.

*The CP-RX94 has a urethane filter

Both the lamp and filter doors are easily accessible, making maintenance and replacement of these parts easy.

Outstanding picture quality

High picture quality
Hitachi education projectors bring together 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 preferences.
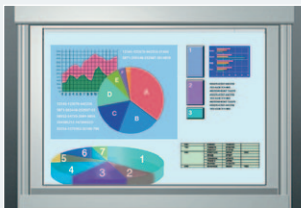
Dark scene | Bright scene

Blackboard and Whiteboard Modes
Projecting onto coloured backgrounds can make images appear dull – 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.
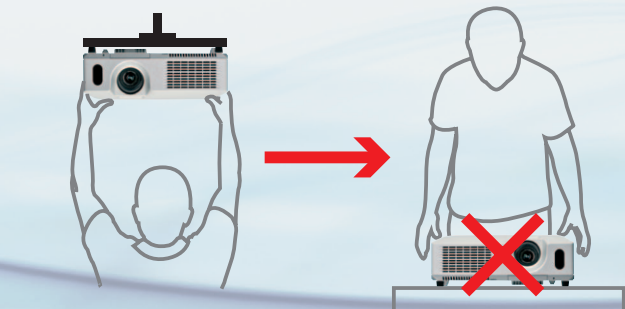
Normal | Whiteboard Mode

Security built-in

Hitachi's Education range includes comprehensive security features to help protect your projector.

Transition Detector
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.
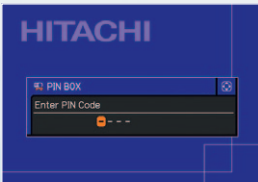
Pin-Lock
The projector PIN-Lock, ensures only authorised people can use the projector by entering their unique PIN code. This screen can be branded for your school or college using the MyScreen function.

Property of HITACHI University

HITACHI
PJ PIN BOX
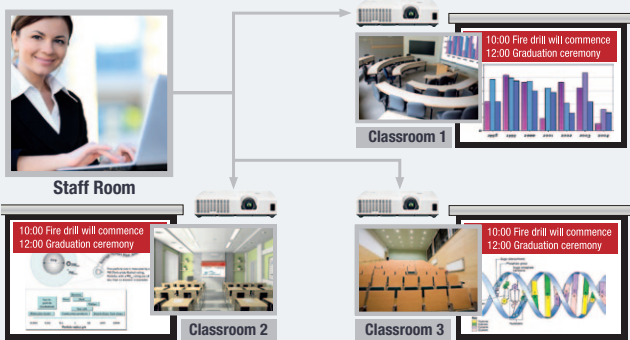Enter PIN Code

MyScreen PIN-Lock | PIN-Lock

Security bar
For physical security, a chain can be added with ease.

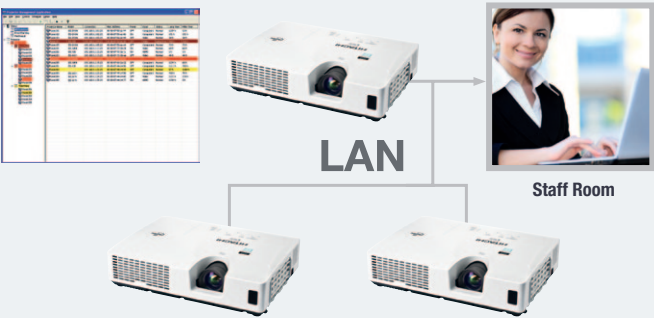## Advanced network features and versatile connectivity

Messenger function
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.

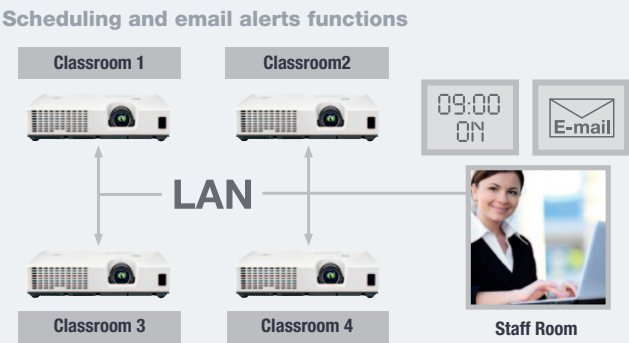Staff Room | Classroom 1 | Classroom 2 | Classroom 3

Centralised reporting function
Using a single PC, you can create html reports for all your networked projectors. This can make maintenance simpler – for example, by logging any projector that isn't working or due for maintenance.

LAN

Staff Room

Convenient networking functions
Manage and control multiple projectors over your LAN. 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.

Scheduling and email alerts functions

Classroom 1 | Classroom2
09:00 ON | E-mail
Classroom 3 | Classroom 4

LAN

Staff Room

Wireless capability*
The USB wireless adaptor supports all IEEE802.11b/g/n networks and enables the projector and computer to communicate both directly or via a wireless network, letting you run presentations or lessons wirelessly from your laptop.

Without access point communication | Access point | With access point communication

*Available on the CP-X2021WN only

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 and explaining easier.
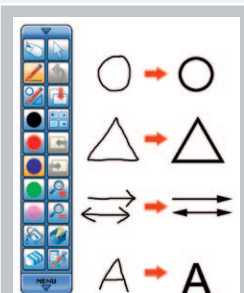
Interactive classroom technology

Interactivity is a valuable classroom asset, but cost and complexity is often a barrier. At Hitachi we identified the need for a different approach. The new CP-AW2519NM is an innovative solution that delivers interactivity anywhere there is a flat surface, an existing whiteboard – or even a bare wall.

Hands on learning
The CP-AW2519NM incorporates sensors that detect activity on the screen area. Together with industry leading Hitachi Starboard software, 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 as never before, for hands-on interactivity that brings learning to life.

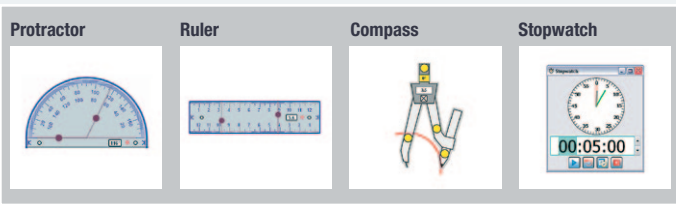### Convert ideas into clear words and images
The CP-AW2519NM includes software to help even young and uncertain students make the most of interactivity.
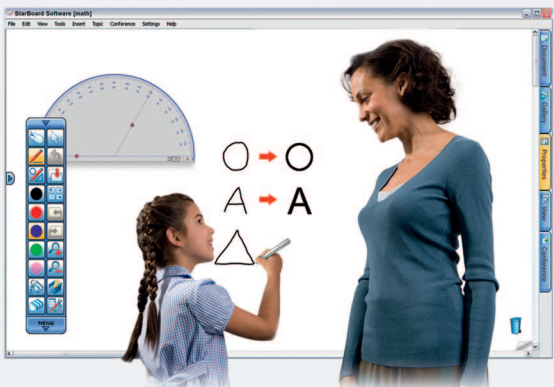
The interactive pen lets users see their freehand shapes automatically converted into geometric objects on the projected image. Converting handwriting into text is simple too, building confidence.
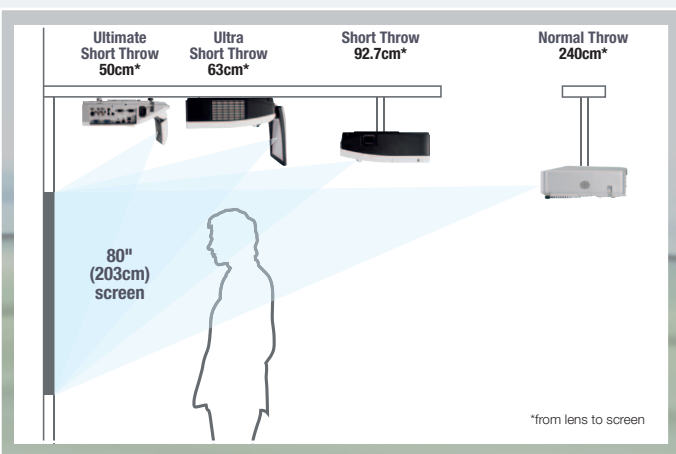
Use familiar tools to create understanding

Protractor | Ruler | Compass | Stopwatch
00:05:00

The interactive pen lets you operate a compass, ruler, protractor, stopwatch and other familiar classroom tools on the projected image, making lessons easier to understand, and techniques easier for pupils to follow.

Flexible design

Ultimate Short Throw 50cm* | Ultra Short Throw 63cm* | Short Throw 92.7cm* | Normal Throw 240cm*

80" (203cm) screen

*from lens to screen

Ultimate Short Throw Technology
Ultimate Short Throw projectors make installation simple, even in crowded and compact classrooms. With conventional technology, extremely short throw distances often results in distortion and poor image quality. Hitachi's Ultimate Short Throw projectors achieve outstanding picture clarity, with perfect fit technology distortions can be eliminated, even on imperfect walls – ensuring your projector can go to work anywhere.

Our Ultimate Short Throw projector has been continuously developed to make it a better, more versatile solution to your classroom needs.

With the bundled wall mount and optional table top kit you can transform any existing whiteboard, wall or table top into an interactive surface.