CP-AW2519NM

ULTIMATE究極
INTER△CTIVE

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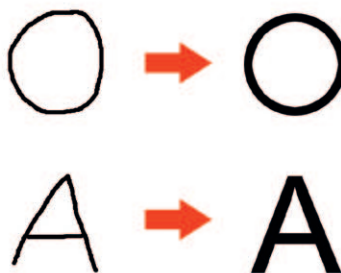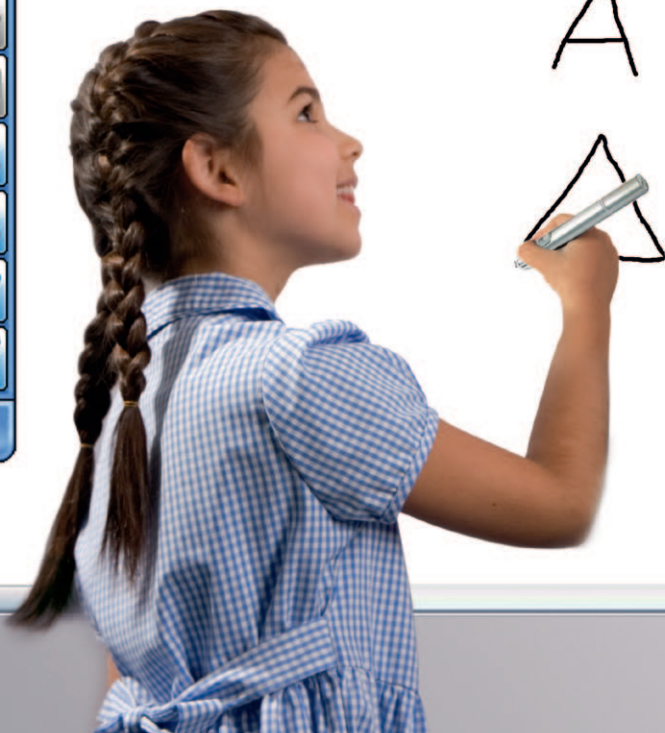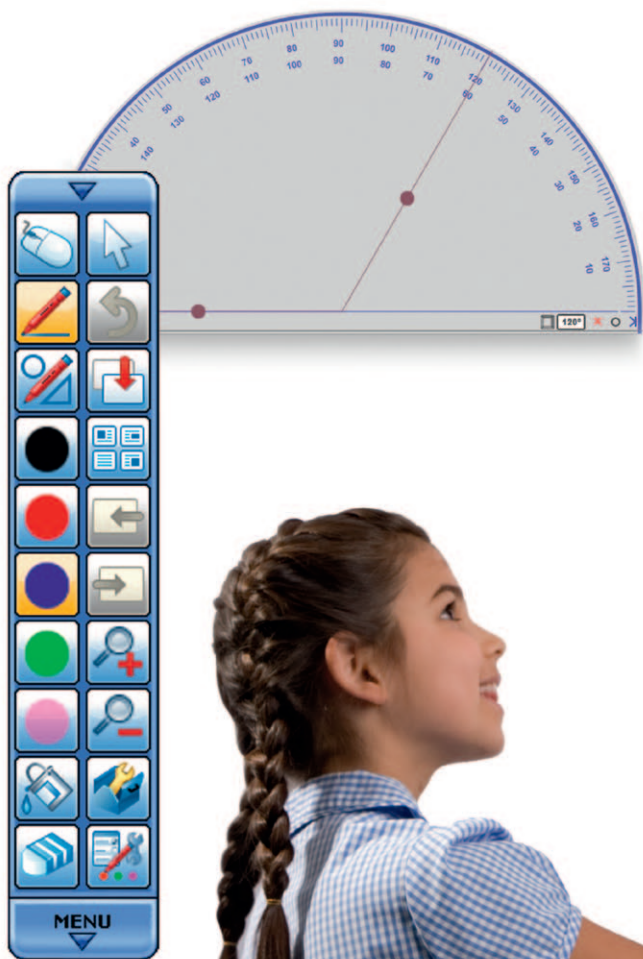
HITACHI
Inspire the Next

3LCD   HYBRID FILTER   HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE   HD ready   LAN   AMX DEVICE DISCOVERY

Interactive classroom technology

The Hitachi Ultimate Interactive CP-AW2519NM projector is the simple way to transform any whiteboard, wall or table top into an effective interactive teaching aid.

Versatile, affordable interactivity

Interactivity is a valuable classroom asset, but cost and complexity is often a barrier. At Hitachi we developed a simple, affordable and easy to install solution designed to let you provide interactivity wherever it is needed. By integrating Hitachi StarBoard™ software with our advanced projector technology, the compact, lightweight CP-AW2519NM can deliver a complete interactive experience on any flat surface.

Bringing learning to life

Interactive technology for the classroom offers tremendous potential for improving the learning process. The CP-AW2519NM projector, part of Hitachi's innovative Ultimate range, makes it simple to provide interactive teaching.
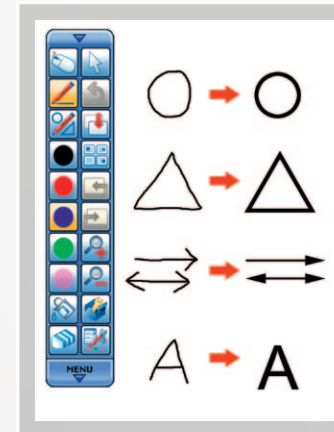
Its short throw distance & compact design enables it to be installed virtually anywhere, and powerful enough to provide bright clear images even in bright environments. But unlike conventional projectors, the CP-AW2519NM incorporates sensors that detect activity on the screen area. Together with well established Hitachi StarBoard™ software, it allows users to annotate and interact with the material presented. Instead of simply showing students static images, students and teachers can interact with on screen material as never before, engaging and involving them to bring learning to life.

Combining the interactivity of a whiteboard with the interactive power of a PC creates a powerful learning and teaching platform. It compels attention and involvement and can be used at all levels, from reception classes to postgraduate tutorials.

Flexible design

Our Ultimate Short Throw projector has been continuously developed to make it a better, more versatile solution for your classroom needs. Using the optional table top kit enables students to collaborate and share ideas, enhancing the learning experience in group work activities.

Convert ideas into clear words and images

The CP-AW2519NM includes software to make interactivity productive, even for young and uncertain students. The included interactive pen lets users automatically convert their freehand shapes into geometric objects on the projected image. Converting handwriting into text is simple too, building confidence.

A wealth of interactive material ready to use

Flash™ file: adding 1 digit numbers 1

0 1 2 3 4 5 6 7 8 9

2 + 5 +

Select a number and drag it into the box. Click the pen on the total box and the answer appears.

Language Arts: Anagrams

okbo

book
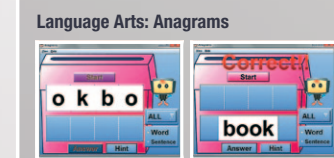
When the student places the letters in the boxes they are then checked and the student is then notified whether they are correct.

Hitachi StarBoard™ software helps build lessons with interactive Flash™ files and clip art from the gallery. There are also four subject toolboxes including Geography, Languages, Arts, Maths and Science, all ready to use. Even spelling is fun when Students can drag letters to make words.

Use familiar tools to create understanding

Compass | Ruler

Protractor | 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.

Copy, capture and select full or part of an image

Full screen

Partial selection | Freehand selection

Images are clear, bright and vivid, even in bright classrooms. You can save screen content at any time. In addition to Full Screen capture, you can also select Partial and Freehand capture, allowing you to preserve key content for later use.
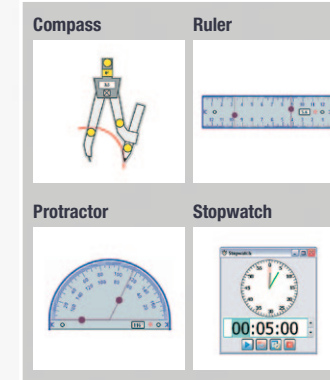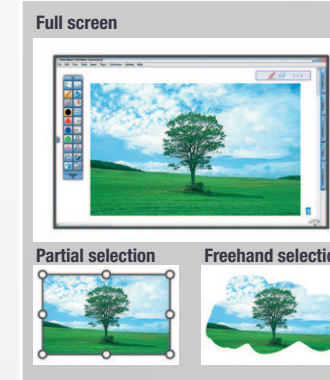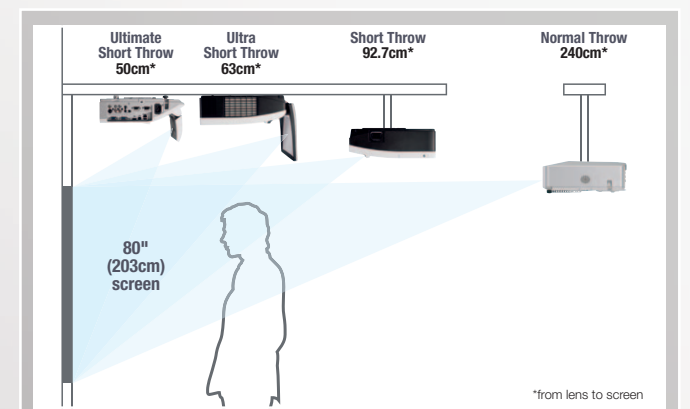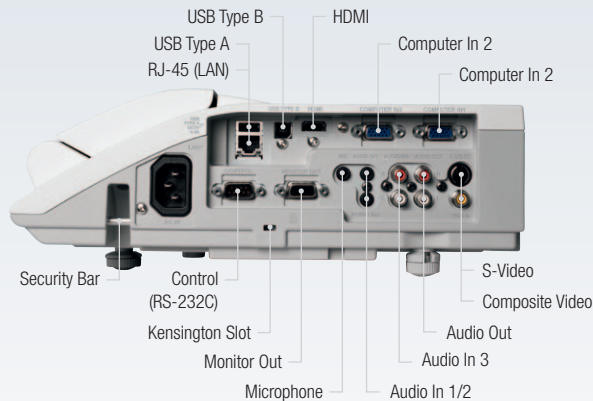
Ultimate Short Throw Technology

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.

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

80" (203cm) screen

*from lens to screen

StarBoard Software [math]

File Edit View Tools Insert Topic Conference Settings Help

okbo

Correct!

Document | Gallery | Properties | View | Conference

Ultimate connectivity

USB Type B — **HDMI**
USB Type A — **Computer In 2**
RJ-45 (LAN) — **Computer In 2**

Security Bar — **Control (RS-232C)** — **S-Video** — **Composite Video**
Kensington Slot — **Audio Out**
Monitor Out — **Audio In 3**
Microphone — **Audio In 1/2**

Network capabilities

The Ultimate Short Throw range offers flexible networking. Administrators can schedule a variety of actions for multiple projectors on the network, including automatic Power On/Off and Centralised Reporting. The clever Messenger function also allows messages to be sent to multiple projectors instantly or at a specified time, handy for displaying announcements and emergency messages. To make lessons more effective, the Multi PC presentation mode lets you display the contents of up to four computers on screen simultaneously.

Ultimate features

Perfect Fit

Perfect Fit enables quick adjustment of the projected image by moving its four corners one at a time. In addition, barrel or pincushion distortions, which occur on rounded surfaces, can easily be corrected.

HDMI input

With signals transferred completely in the digital domain, lessons and presentations can be delivered with the highest image quality.

Inorganic LCD panels

These projectors use three inorganic LCD panels, which feature higher resistance to light and offer high reliability. This means longer life parts with less maintenance over the life of the projector.

Easy maintenance

Hitachi's Hybrid filter and long life lamp both last up to 5000 hours and can be replaced easily. The Hybrid Filter has an electrostatic design with hybrid protection filter layers, protecting optics from dust, dirt and chalk particles.

Versatile security functions

The projectors are equipped with a security bar, PIN-Lock, My Image Lock and Transition Detector functions.

Technical Specifications

OPTICAL	
Interactive sensor (IR and ultrasonic waves system)	Single touch (interactive pen is required)
Resolution	WXGA (1280 x 800)
Brightness Bright Mode	2500 ANSI Lumens
Normal Mode	1700 ANSI Lumens
Contrast ratio	2000:1
Lamp life (Hours)	3000 (Bright Mode)/5000 (Normal Mode)*
Distance to width ratio (:1)	0.3:1 (fixed)
Diagonal diplay size	60~100" (152~254cm)

COMPATIBILITY	
Computer compatibility	IBM Compatible VGA, SVGA, XGA, WXGA, WXGA+, SXGA, WSXGA+, UXGA, MAC 16"
Video compatibility	NTSC/PAL/SECAM/PAL-M/PAL-N/NTSC4.43 SDTV: 525i(480i), 525p(480p), 625i(576i) HDTV: 750p (720p@60Hz), 1125i(1080i@50/60Hz), 1125p(1080p@50/60Hz)
Plug & Play	DDC2B

FEATURES	
Speakers	10W Mono
Picture adjustments	Equalizing Gamma Correction, 2-3 pull down, Progressive Scan, Noise Reduction, Perfect Fit
Digital keystone	Manual Vertical Keystone correction, Manual Horizontal Keystone correction
Power on & off	Quick ON, Direct ON, Direct Off
Security systems	PIN-Lock, MyScreen PIN-Lock, Keypad Lock, Kensington slot, Transition Detector, Security bar
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
OSD Languages	English, French, German, Spanish, Italian, Norwegian, Dutch, Japanese, Portuguese, Simplified Chinese, Traditional Chinese, Korean, Swedish, Russian, Finnish, Polish, Turkish, Arabic, Persian, Czech, Danish, Hungarian, Romanian, Slovenian, Croatian, Greek, Lithuanian, Estonian, Latvian, Thai, Portuguese (Brazil)

CONNECTIONS	
Digital Input	1 x HDMI
Computer Input	2 x 15-pin Mini D-sub
Computer Output	1 x 15-pin Mini D-sub
Video Input	1 x RCA Jack (for composite) 1 x S-Video Jack 2 x Component D-sub (shared with analogue RGB)
Audio Input	2 x Stereo Mini Jack 1 x pair RCA (L/R) 1 x Microphone Jack
Audio Output	1 x pair RCA (L/R)
Control	1 x 9-pin D-sub for RS232 control
USB	1 x USB type A for PC-less presentation 1 x USB type B for mouse control
Wired Network	1 x RJ-45

POWER	
Power Supply	AC100-120V/220-240V, auto switching
Power Consumption/Standby	300 W/<0.3W

PHYSICAL	
Dimensions (W x H x D)	345 x 102 x 303mm (excluding feet and extrusions when mirror is closed)
Weight	4.1Kg
Noise Level	34dB (Bright Mode)/28dB (Normal Mode)
Air Filter	Hybrid (up to 5000 hours)

ACCESSORIES SUPPLIED	
	Remote control with batteries, RGB cable, power cord, cable cover, security label, user manual (detail & concise), wall mount (HAS-K250), interactive pen with batteries, USB cable (5m), StarBoard™ Software and manual (9 languages)

OPTIONAL ACCESSORIES	
Replacement lamp	DT01181
Table top mount	TT-521
Wireless tablet	TB-1

WARRANTY	
Projector /Lamp	3 Years/3 Years**

StarBoard™ software requirements

- CPU: Intel Pentium 4 1.8GHz or faster
- Free hard drive space: 600 MB or more
- RAM: 1GB or more
- Display colours: High Colour (16 bit) or higher
- Operating system (OS): Windows XP 32bit/ Windows Vista 32bit/Windows 7 32/64bit (the latest service pack must be applied) (Tablet PC Edition and Server Edition are not supported)
- Software required: Internet Explorer 6.0/7.0/8.0 (for viewing Online Help and using Internet search functions) PowerPoint 2002/2003/2007/ 2010 (for viewing PowerPoint documents) Microsoft DirectX 9.0c/Windows Media Player 9 or above (for using movie features) Adobe Flash Player 10 (for using Flash object)
- Others: DVD drive. Video card with hardware overlay feature (for using movie features)

StarBoard™ software special requirements

For webcam playback and capturing feature
- DV (Digital video, DV cameras, D-VHS)
- Capture devices which support DirectShow (with WDM drivers)

For conference host feature
- CPU: Intel Core 2 Duo 2.0GHz or faster
- Free hard drive space: 2GB or more
- RAM: 2GB or more
- Others: TCP/IP 54Mbps or above