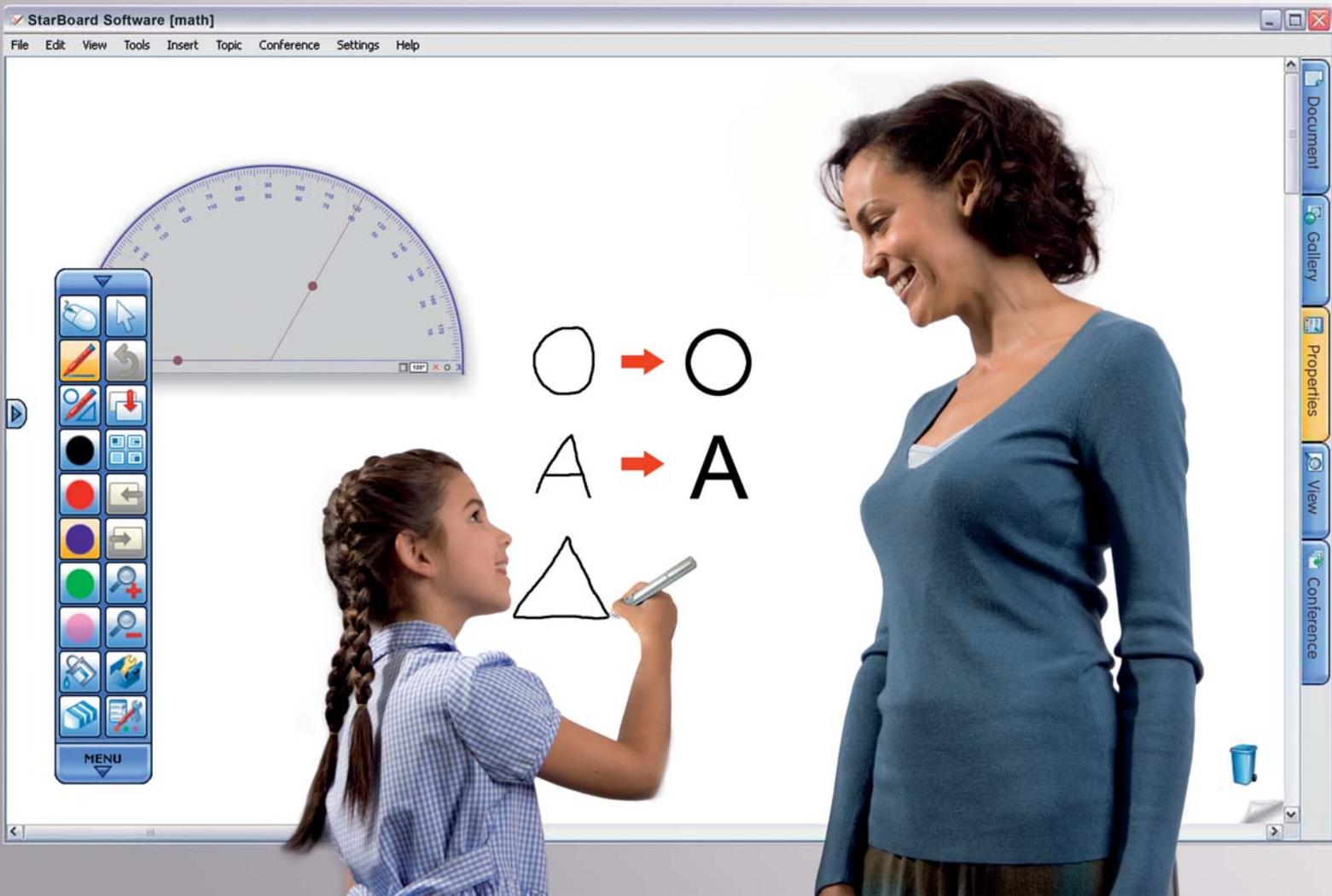




INNOVATE  
The Future of Projection



iPJ-AW250NM

ULTIMATE 究極  
INTERACTIVE

The projector that  
changes a wall into  
an **interactive**  
**teaching aid.**



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Inspire the Next

# Interactive classroom technology

With the Hitachi Ultimate iPJ-AW250NM projector, any classroom wall can become an interactive teaching aid, compelling attention and involvement enhancing the learning experience.

## A new solution for interactivity

Interactivity is a valuable classroom asset, but cost and complexity has been a barrier for many educators. Hitachi identified the need for a different approach. The new iPJ-AW250NM is an innovative solution that delivers interactivity anywhere there is a flat surface, an existing whiteboard – or even a bare wall.

### Bringing learning to life



Interactive technology for the classroom offers tremendous potential for improving the learning process.

The iPJ-AW250NM projector, part of Hitachi's innovative Ultimate range, makes it

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.

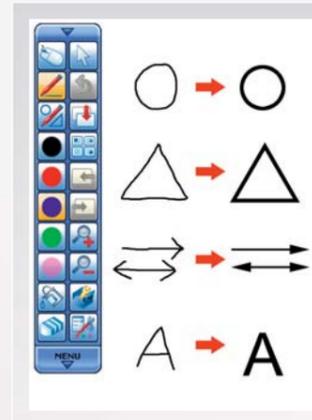
Combining the interactivity of a whiteboard with the interactive power of a PC creates a powerful learning and teaching platform. It compels attention and involvement and can be used at all levels, from reception classes to postgraduate tutorials.



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 iPJ-AW250NM



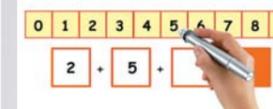
## Convert ideas into clear words and images



The iPJ-AW250NM includes software to make interactivity productive, even for young and uncertain students. The special 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.

## A wealth of interactive material ready to use

Flash™ file: adding 1 digit numbers 1



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

Language Arts: Anagrams



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.

## Ultimate Short Throw Technology

Short throw projectors make installation simple, even in crowded and compact classrooms. But Ultimate Short Throw does more. As well as the convenience of the short throw format it delivers outstanding picture clarity. With conventional technology, extremely short throw often results in distortion and poor image quality. Hitachi's Ultimate Short Throw projectors achieve optimum image quality, with eight point adjustment that includes all four corners and sides, allowing distortions to be eliminated, even on imperfect walls – ensuring your projector can go to work anywhere.



## Use familiar tools to create understanding

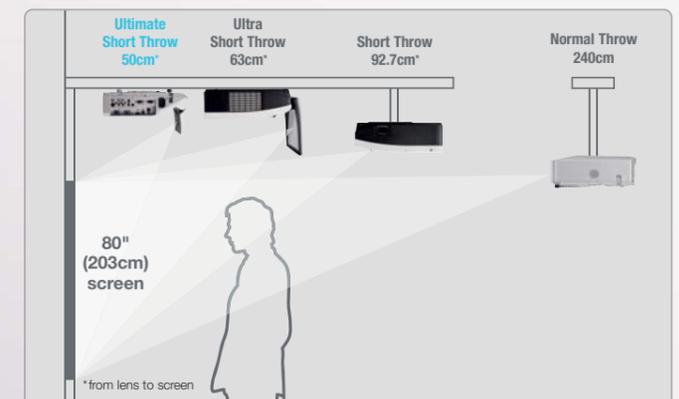


The interactive pen lets you operate a compass, ruler, protractor, stopwatch and other familiar classroom tools on the projected image, making lessons easier to understand, and techniques easier for pupils to follow.

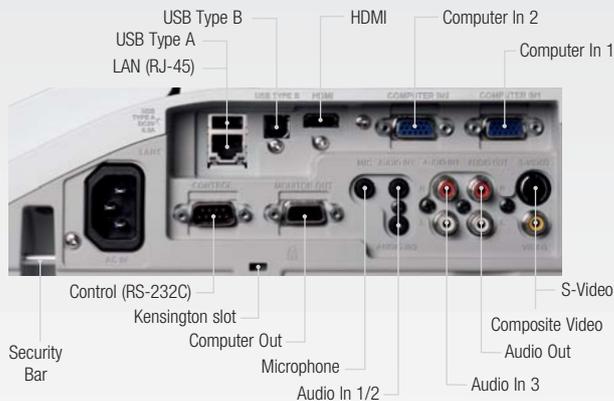
## Copy, capture and select full or part of an image



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 connectivity



## 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.



# PJ-AW250NM Technical specifications

OPTICAL	
Interactive sensor (IR and ultrasonic waves system)	Single touch (interactive pen is required)
Resolution	WXGA (1280 x 800)
Brightness	Normal Mode 2500 ANSI Lumens Eco Mode 1700 ANSI Lumens
Contrast Ratio	2000:1
Lamp Life	3000 Hours (Normal Mode)/5000 Hours (Eco Mode)*
Distance to Width Ratio (-1)	0.3:1 (fixed)
Diagonal Display 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) DDC2B
Plug & Play	
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)

# 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.



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 1 x RJ-45
Wired network	1 x RJ-45
POWER	
Power Supply	AC100-120V/220-240V, auto switching
Power Consumption	300 W
Power Consumption in Standby	<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 (Normal)/28dB (Eco)
Air Filter	Hybrid
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
WARRANTY	
Projector warranty	3 Years
Lamp warranty	Please consult your local Hitachi agent for the latest offer

## 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