

HSJC

Technology Makes Educate More Brilliant

**HSJC Interactive Whiteboard
User Manual of JC850 Series**

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User Manual of HSJC Interactive E-Whiteboard

I. Statement

This product must be used according to specific operation description of the user manual to ensure that you can correctly use it before the installation after carefully reading the user manual.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Special statement:

Use of shielded cable with ferrite cores is required to comply with Class B limits in Subpart B of Part 15 of the FCC rules.

II. Product Introduction

The Interactive E-Whiteboard has been introduced into the classroom and play a great role in optimizing the classroom teaching mode, so it is not only the blackboard of new era, but superior to the blackboard. It has made great contribution on improving the teaching efficiency of the classroom, enhancing cooperative interaction between teachers and students, effectively solving key and difficulty points in classroom teaching and making the classroom teaching more lively and vivid, and is adopted as a platform to increase the learning interest of the students and integrate abundant teaching resources.

HSJC Interactive E-Whiteboard adopts electromagnetic induction technology with precise positioning and communicates the information through the computer. Connect E-Whiteboard to the computer and use the projector to project the contents on the computer on the screen of the E-Whiteboard and create an interactive collaboration conference or teaching environment in large screen. Use specific positioning pen to replace the mouse to operate on the whiteboard and use any application programs to edit, annotate and save the documents that are realized by the keyboard and mouse.

III. Engineering Installation

Installation Condition:

The installation of the Interactive E-Whiteboard is required to submit the Data Investigation Form to our company for confirming whether the installation conditions are met, and then it is to select supporting installation method and the customer provides relevant support for the changes on on-site environment according the needs of the installation.

Installation Method:

Wall Mounting Type: be applicable for the installation under various conditions and adopt hooking method to directly fix on the wall;

Combination Type: be applicable for wide space and be equipped with combined blackboard.

Scaffolding Type: be applicable for the customers with small on-site installation space and convenient to move.

Our company can provide different installation methods as movable track and fixed support according to on-site conditions.

Installation Person:

The installation shall be made by the installation person designated by our company or relevant guidance is provided for the installation, and the installation shall meet the requirements of “Installation Specification”.

Equipment Installation:

The Interactive E-Whiteboard, projector and other equipments are installed and fixed with the expansion bolt on required positions, and then it is to finish the connection of equipment signal line and power line.

Equipment Debugging:








Adjust the image size to reasonable range and apply the E-Whiteboard software on a trial run to confirm normal running of all software and hardware.

Warning:

Forbid to drill the holes and hammer the nails on the whiteboard!

IV. Whiteboard Hardware Driver and Software Program Installation

Ensure the following documents and folders existed in installation directory:

 DICTS	2011/6/24 11:58	文件夹	
 Gallery	2011/6/24 11:04	文件夹	
 Media	2011/6/24 11:05	文件夹	
 SOUND	2011/6/24 11:05	文件夹	
 support	2011/7/11 9:45	文件夹	
 teachchinese	2011/6/24 11:06	文件夹	
 Standard285-0712_NoDetectBoard	2011/7/14 10:36	应用程序	30,628 KB

Step 1: Click the execution program of

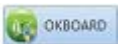


, continue to click the Next button until enter into the interface as follows:




Select the installation support package on this interface, if you first install this new system, please choose the installation in all steps. When completing the installation of the plug-in of 2008_vcrist, ffdshow, flash_player, USB Driver and Xvid, continue to install them until the completion of final installation. If the whiteboard software is installed for the second time, don't check and then directly enter into next step of the installation



Restart the computer after completing the steps above and start the toolbars in windows to find the icon of HSJC Interactive Whiteboard Software. As it is shown in  , click the icon and run the software.


V. Whiteboard Start-up and Positioning

After starting the computer, the E-Whiteboard Communication Software (Positioning) is automatic start-up by default. The icon  is in the tray in the left corner of the desktop, open it and select the positioning, and then enter into the E-Whiteboard Status as it is shown in the following picture.



Align the nib of the electronic pen to the center position of cross cursor on the positioning interface and click it, and then finish the positioning after click 7 cross cursors occurred in proper sequence.

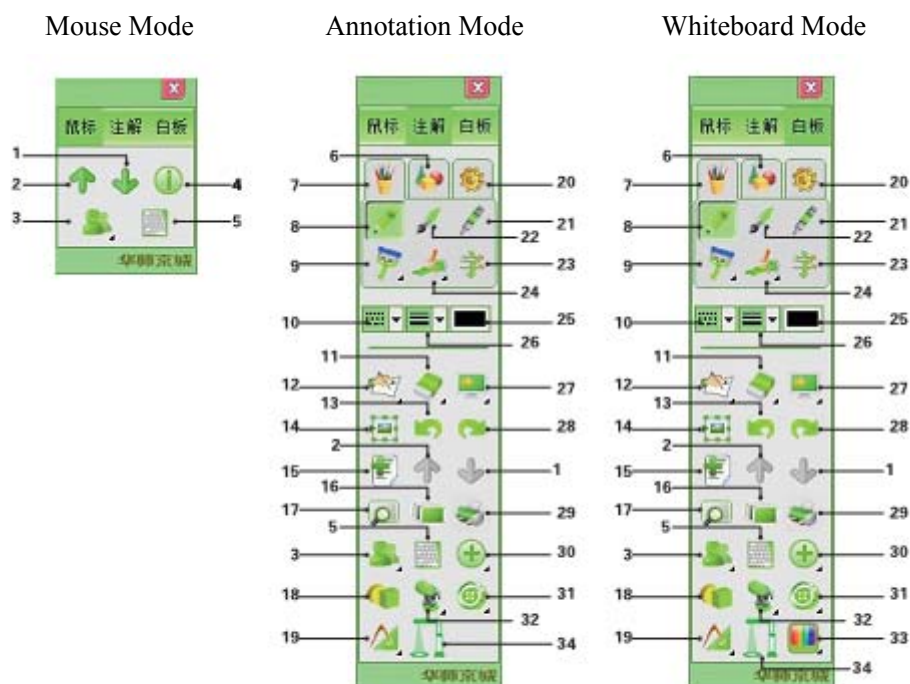
VI. Whiteboard On-Line Upgrade Function

Open the Whiteboard Software, the icon  is in the tray in the left corner of the desktop, take the right-click to open it and then select on-line Upgrade, that is, connect Remote Server to start upgrade function.



VII.


Function Rapid Access












- | | | | |
|--|-----------------------|-------------------|-------------------------|
| 1. Next Page | 11. Eraser | 21. Highlight Pen | 31. Screen Record |
| 2. Previous Page | 12. Hand Input | 22. Paint Brush | 32. Recording |
| 3. Interaction between Teachers and Students | 13. Cancellation | 23. Input Text | 33. Background Color |
| 4. Version Information | 14. Edit | 24. Paint | 34. Exhibition Platform |
| 5. Soft Keyboard | 15. New Page | 25. Color Select | |
| 6. Image | 16. Resource Library | 26. Line Width | |
| 7. Input | 17. Page View | 27. Screen Move | |
| 8. Pencil | 18. 3D Image | 28. Reset | |
| 9. Row Brush | 19. Geometrical Tools | 29. Printer | |
| 10. Line Type | 20. Tools | 30. Others | |





VIII. Whiteboard Software Function Description







Open the E-Whiteboard Software, double click the desktop or the icon “” in Start-Up Program and appear the dialogue box, click the “Cancel” and enter into Whiteboard Software Interface.


· Whiteboard Hide Mode

	Mouse: click this key when the panel is under hiding condition, the system enters into the mouse mode, the use method is the same with the mouse mode when the panel is under displaying condition;
	Panel: click this key when the panel is under hiding condition, the panel displays as the mouse mode;
	Previous Page: the application method refers to the instruction under “Mouse Mode” and “Annotation Mode”;
	Next Page: the application method refers to the instruction under “ Mouse Mode” and “Annotation Mode”;
	Pencil: when the panel is under hiding condition, click this key and enter into pencil writing status, and the line shape and line thickness are the default values; when the panel is under displaying condition, click this key and position the cursor to the button on the panel, that is, selected status;
	Paint Brush: when the panel is under hiding condition, click this key and enter into brush writing status, and the line shape and line thickness are the default values; when the panel is under displaying condition, click this key and position the cursor to the button on the panel, that is, selected status;
	Highlight Pen: when the panel is under hiding condition, click this key and the system enters into highlight pen writing status, and the line shape and line thickness are the default values, and the transparency is not adjustable; when the panel is under displaying condition, click this key and position the cursor to the button on the panel, that is, selected status;
	Object Color Settings: when the panel is under hiding condition, click this key and bring up the Color Setting Window from the system to amend the object color ; when the panel is under displaying condition, click this key and position the cursor to the button on the panel and bring up the Color Setting Window;
	Eraser: when the panel is under hiding condition, click this key and the system enters into any erasing status of the eraser, the size is set as default and cannot be amended, and then erase the contents on the interface; click this key and position the cursor to the button on the panel and bring up the next menu for option;


	<p>Magnifier: when the panel is under hiding condition, click this key and enter into the magnifier function, the application method is the same as the description of the magnifier in “Tools” under “Annotation Mode” for the magnifier in the panel;</p>
	<p>Spotlight: when the panel is under hiding condition, click this key and bring up the spotlight, the light brightness shall be the brightness used by the panel for the last time, or it is set as default.</p>
	<p>Screen Record: when the panel is under hiding condition, click this key and pop up the save name interface for the documents intended to be recorded, confirm after input the name and enter into screen recording status to record all operations and sounds on the screen;</p>
	<p>Open File: when the panel is under hiding condition, click this key and bring up the dialogue box, and then select the file in dialogue box and click Open button, the system plays the selected Multimedia Files and supports various formats, e.g. avi, wav, mp4, vsh, etc.</p>







Operation Interface Display

Mode	Description	Presentation Figure
<p>Mouse Mode</p>	<p>Click the icon  into Mouse Mode, equivalent to computer operation, electronic pen completely replaces the mouse featured with convenient operation and simple understanding</p>	
<p>Annotation Mode</p>	<p>Click the icon  into Annotation Mode to directly annotate the contents on the screen and then input and paint on new page.</p>	

<p>Whiteboard Mode</p>	<p>Click the icon “Whiteboard” into white background to operate, be easy to bring up the resources of Photo Gallery, the users can define and manage the background colors by themselves.</p>	
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• **Icon Function Introduction**

-  Input: click the icon “Input”, the following input functions will appear:

	Pencil	The pencil line track from the input of the electronic pen and end the input when putting the electronic pen up.
	Paint Brush	The paint brush line track from the input of the electronic pen and end the input when putting the electronic pen up.
	Paint	The operation implemented under this mode is applied for filling in the color to the closure area with the same color levels. Two functions of spraying and sprayer are included.
	Highlight Pen	The pencil line track from the input of the highlight pen and end the input when putting the electronic pen up. Adjust the scroll bar on the interface and the transparency of the colors of the highlight pen.
	Row Brush	The row brush and pen line track from the input of the electronic pen and end the input when putting the electronic pen up.
	Input Text	The input box appears when the electronic pen contacts the whiteboard, after input the contents, press the Enter to confirm the input, that is, transfer the input contents into standard font.

Icon Function Introduction




























Figure: click the icon “Figure”, the following drawing functions will appear:


























	Straight Line		Straight Line		Quadrilateral		Oblong Rectangle
			Straight Line with Single Arrow				Quadrate
			Straight Line with Left and Right Arrow				Rhombus
	Round		Standard Round		Polygon		Trapezoid
			Ellipse				Parallelogram
			Hollow Round				Hollow Quadrilateral
			Solid Round				Solid Quadrilateral
	Triangle		Right Triangle		Polygon		Regular Pentagon
			Equilateral Triangle				Regular Hexagon
			Isosceles Triangle				Free Polygon
			Ordinary Triangle				Hollow Polygon
			Hollow Triangle				Solid Polygon
			Solid Triangle				
	3D Figure		Quadrihedron				Circle
			Cube				Color
			Circular Cylinder				Edit
			Circular Cone				Object Delete
			Sphere				All Delete
	Annotation		Draw up a straight line with size annotation			Draw up a angle line with size annotation	
























Tool: click the icon “Tool”, the following tools will appear:

	Magnifier	Click the button  to set the size of the magnifying area	
	Spotlight	Show highlighted contents, other area of the screen become dark light. The size of the spotlight and background color can be adjusted by two sliders 	
	Screen		Shield the contents in a direction in the screen and write when select single direction
			Shield the contents from top to the bottom and the left to the right
			Shield any area of the screen from top to the bottom and the left to the right
			Drag a button from top to the bottom and the left to the right
	Camera		After click, take a photo to current interface
			After click, select the required scope and take a photo
			After taking a photo, save the photos
	Replay	Replay the previous operations and control the replay speed through the slider  .	
		 STOP	 Start
		 Continue	 Suspend
	Dictionary	English-Chinese Dictionary/ Simplified Chinese - English Dictionary, and other dictionaries available to be downloaded.	
	Geometrical Tools	 Ruler	Measure the length of the straight line and can be optionally extended
		 Compass	Draw a defined circle through this function
		 Triangular Rule	Measure the length of figure and can be optionally extended
		 Protractor	Measure the angle

• **Public Menu Function**

	Line Type	Select the line shape required to be drawn	
	Line Width	Select the line thickness required to be drawn	
	Color Option	Select the picture or font color required to be drawn	
	Hand Input	Transfer the Handwriting Chinese, English and number to standard fonts, and set the fonts according to color  and font  	
	Eraser		Randomly erase current input of the picture or font set the size of eraser that is erased randomly
			Delete the words in selected area
			Delete certain object
			Delete the contents in current page
	Screen Move		Move the pictures under operation
			Move whole screen
			Reset the dragged screen to original position
	Edit	Click the Edit icon to edit the selected objects, such as rotation, clone, copy, paste and other dozens of operations	
	Cancel	Cancel one or more steps of previous operations	
	Reset	Reset the steps that have been canceled	
	New Page	Set up a new page	
	Previous Page	Display the contents of previous page in saved page review	
	Next Page	Display the contents of next page in saved page review	
	Page Review	Review all operated pages	
	Resource Library	The software library provides the resources of educational pictures the external pictures to be reviewed and various audio formats, e.g. avi.wav.mp3,wma. exe, etc.	
	Printer	Print current page	

	Interaction between Teachers and Students	 After successful connection to the server, the teacher send the files to the students
		 After successful connection to the server, the students receive the files from the teachers
		 After successful connection to the server, send the information to the students
		 After successful connection to the server, relay the defined desktops of the students
		 After successful connection to the server, display answer box in the desktops of the students
		 After successful connection to the server, lock the screens of the students
		 After successful connection to the server, click the Close button to close computers of all on-line students.
	Soft Keyboard	The software interface appears to simulate the operation of the keyboard
	Others	 Open the file
		 Save the file
		 Create new file
		 Countdown clock appears after click
		 Clock displays after click
		 Computer
	Version Information	Provide software version No. that are currently applied and relevant information
	Recording	Record the writing on whiteboard
	Screen Record	Record the desktop operation and sounds
	Background Color	Set the background color of the whiteboard under whiteboard mode, press one key to change the background color to white font on black base or black font on white base
	Exhibition Platform	Change paper files of current teaching scene or teaching resources to e-file as the resources for the teachers

IX. Right Click Function

The Right Click Function can be used to edit the objects of current interface under any editing status, that is, use the electronic pen to point at the objects requiring the right-click function and press the button of the nib, pop up the right-click function menu.

Cut (Ctrl+X): temporarily hide the objects that are currently edited and wait for copying them in designated locations;

Copy (Ctrl+C): copy and keep current objects;

Paste (Ctrl+V): place the cut or copied objects on designated locations; Note: when using this function, don't use the electronic pen to contact the whiteboard and point at the locations detected by the whiteboard, and press the right key to select this function;

Clone (Ctrl+P): clone the selected objects and put them around current selected objects

Top (Ctrl+T): select this function for the object under edited status and this object is at the very top;

Delete (Ctrl+D): delete the editing object

Lock/Unlock (Ctrl+K): lock/unlock current option, after locking the objects, all functions in the right click cannot be used;

Display/Hidden Circle (Ctrl+S): select this to display or hide the circle;

Geometric Zoom/Free Zoom: change the object between Geometric Zoom/Free Zoom. The center point of the Geometric Zoom is not changed, and the image is diffused to all directions. When the top left corner or bottom right corner is not changed for the free zoom, the image is changed towards the opposite direction;

Combination/ Combination Removal (Ctrl+B): when many objects are formed into a new image to realize joint operation as rotation, moving and zooming. When dragging the mouse to select more than one object, there is no any other combination on those objects, but they are able to move, so they cannot be zoomed and rotated as a whole;

Multi-Word Identification (Ctrl+R): use the pencil (or paint brush, highlight pen, row brush and pen) to write one or more than one character (s), under the editing status, click the right key and appear the function menu to select Multi-Word Identification to identify one character, one word or one sentence.

Left Justify (Ctrl+G): select this function under the editing status, the location of this object can be projected into the at the extreme left of the same line in the projecting area;

Center Justify (Ctrl+M): select this function under the editing status, the location of this object can be projected into the at middle of the same line in the projecting area;

Right Justify (Ctrl+H): select this function under the editing status, the location of this object can be projected into the at the extreme right of the same line in the projecting area;

Transparency Increase (Ctrl+ "+"): select this function under the editing status, the color of this object becomes dark;

Transparency Decrease (Ctrl+ "-"): select this function under the editing status, the color of this object becomes light;

Re-edit Text (Shift+ Ctrl+E): re-edit the objects produced from handwriting identification or text input;

Super-link (Shift+ Ctrl+S): set the link designated to the text object. Select this function, this system pops up the following dialogue box:

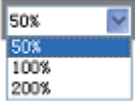
Select “Link to File or Website” to link external documents; select “Link Page” Table to choose the page intended to be linked in current file and provide drop-down lists for page option.






Stroke Replay (Shift+Ctrl+R): demonstrate the stroke and character of the text. Click the maximized window in the top right corner in the interface to full-screen window;

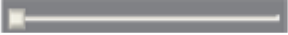
Reverse Search (Shift+Ctrl+C): search the designated text in the dictionary;



Play (Shift+Ctrl+P): broadcast the Audio and Visual Object. The interface is as follows:

Custom Key: Extended function and use after upgrade.

When the system broadcasts the files, the window size is set as default and under the best play status, and it is to set the resolution and click  for option.

When clicking , if current file is under play status, it is to click this button to suspend the play, whereas start the play. Stop the play when clicking  and the conduct the Screenshot in playing the files when clicking ; realize full-screen play when clicking  in the process of playing the file and return to non-full-screen status when clicking the screen in any places; log out the play status when clicking .

 refers to play progress bar, use the electronic pen to click onto sliding block and drag it to adjust the play progress;

 indicates the volume adjusted for current play file;  means time progress of current play file/ total consumption time of the play files.

X. Electric Eraser Function

1. Press on/off on the side of the eraser, start Electric Eraser and erase any part.
2. Simultaneously press on/off key on the side of the eraser and mode key on the top of the eraser to erase full screen, that is, all contents on the interface disappear.

XI. FAQ

Q1: Whether the whiteboard software is available?

A1: The whiteboard software can be used only when the computer and the whiteboard software start correctly.





Q2: What shall I do if the Prompt Dialog Box of “fail to communicate with the whiteboard software, please check whether the whiteboard correctly connects with the computer” after starting the computer?

- A2: 1. Please check the connection of the whiteboard at first to confirm whether it is normal, the short line with the signal magnifier is connected correctly, the signal light of the magnifier is right and the indicator lamp at the back of the whiteboard is on;
2. Under normal connection, please check whether the USB Driver is installed well (right click to “My Computer”, select “Property”, and then select Device Manager under hardware menu in the system property, “?” in USB Controller means non-installation of USB Driver, please reinstall it).
3. After confirming that the above-mentioned two items are right, please restart the Whiteboard Driver (Start→Program→Class Access→OKBOARDDrv). If the connections above fail, please change USB Driver and reconnect.

Q3: Jumping and Breaking Conditions in the Whiteboard

A3: Uninstall the software and reinstall the whiteboard software.

Q4: What shall I do if the position of nib or fingertip deviates from the position of cursor when operating or inputting on the Interactive E-Whiteboard?

A4: click (1) start menu (2) program (3) class access (4) butterfly icon OKBOARDDrv, and  then click  to select the positioning and reposition.

Q5: The keypad in the E-Whiteboard Software is not available

A5: Uninstall the whiteboard software and reinstall it.

Q6: When an empty folder appears in Class Access and the software is unable to open, and the positioning is unable to be made after reinstalling the software

- A6: 1) Reinstall the software after confirming the computer is not attacked by a virus infection
2) The failure of installation caused by the error message in the process of reinstalling the software may be for a part of system files damaged, so it is required to restore the damaged system or reinstall the computer system.

Q7: the failure condition of the electronic pen occurs in the process of using the whiteboard from time to time

- A7: 1. Confirm normal connection of the whiteboard at first and then change the electronic pen to test it;
2. If no solution can be reached, please change USB Interface to test it;
3. If no solution can be reached again after changing the electronic pen, please uninstall the software and reinstall it;
4. If no solution can be reached again, it is possible caused by the computer virus, please scan and kill the virus or change a computer to test it.

XII. Friendly Reminder

1. Suggest the users to carefully read the instruction before use it;
2. Forbid to use oil pen in that it will leave the track unable to be cleaned.
3. If the panel is required to clean, use wet cotton cloth without dropping water to wipe it, and then use dry cloth to wipe it.
4. Forbid to use corrosive cleaning agents, soap or crude oil products to wipe the panel;
5. Forbid to use hard tool to knock on interactive whiteboard, avoid from long-term moisture and direct sunshine;
6. Use proper force to use the electronic pen of the interactive whiteboard to input;
7. Please keep the electronic pen in proper way when it is not used;
8. When facing the students, stand on the side of the interactive whiteboard, and don't directly look at the projector to avoid the eyes from injuring;
9. When the students use the interactive whiteboard, please instruct them to correctly use it;
10. When using the support of the whiteboard, please timely adjust it;
11. When installing the drivers and application software, attention shall be paid to Computer OS and memory space, and the reinstall corresponding application software;
12. When installing the software, please make sure the USB connection between CCU (Central Controller Unit) and computer, then open the switch on the power of CCU (Central Controller Unit), or the hardware driver cannot be installed.

XIII. JSHC Interactive Whiteboard Product

Type	JC-850-G	JC-850-60	JC-850-88	JC-850-99	JC-850-100
Valid Operation Area	1520*1120(mm)	1650*1190(mm)	1650*1075(mm)	1650*1190(mm)	2045*1240(mm)
External Boarder Size	1730*1235(mm)	1745*1275(mm)	1650*1175(mm)	1745*1275(mm)	2135*1330(mm)
Induction Technology	Electromagnetic induction	Electromagnetic induction	Electromagnetic induction	Electromagnetic induction	Electromagnetic induction
Shortcut Key	Right side	Right side	Right side	Right side	Right side
Resolution	9300*9300	14300*9718	13208*8918	14300*9718	17784*10192
Positioning of Input Accuracy	1 (mm)	1 (mm)	1 (mm)	1 (mm)	1 (mm)
Screen Ratio	4:3, but support 16:9 projector	4:3, but support 16:9 projector	4:3, but support 16:9 projector	4:3, but support 16:9 projector	4:3, but support 16:9 projector
Transmission Mode	USB Transmission for 15m	USB Transmission for 15m	USB Transmission for 15m	USB Transmission for 15m	USB Transmission for 15m
Data Transmission Rate	19200 Baud Rate	19200 Baud Rate	19200 Baud Rate	19200 Baud Rate	19200 Baud Rate
Power	<0.6W	<0.6W	<0.6W	<0.6W	<0.6W
Operation System	Windows2000/XP/vista/win7				
Computer Working Mode	Mouse Mode/Annotation Mode/Whiteboard Mode/Hide Mode				
Electronic Pen	With laser indicator lamp and automatic sleep mode, easy to assembly or disassemble				
Running Environment	Temperature: -15℃ to +40℃;Humidity: 0% to 95%				
Storage Environment	Temperature:-40℃ to +60℃; Humidity: 0% to 95%				
Electronic Eraser	Option				

Note: the parameters of product specification are subject to change without prior notice

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Educate More Brilliant

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