



Xiamen Interactive Technology Co., Ltd.

ADDRESS: 1F No.45, Wanghai Rd., Xiamen Software Park Phase II, Xiamen, China

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INTECH Interactive Whiteboard Technology Specifications

A. Realization Principles

Infrared Interactive Whiteboard utilizes the infrared matrix which densely covered on the directions of X and Y to detect and position the user's touch. It is able to work well under severe environment against any interference. Infrared technology will be in a trend of ultimate development on electronic interactive whiteboard as well as touch screen products. In the field of IWB, people adopted technologies of ultrasound, electromagnetism and baroreceptor, but due to their original nature, those technologies always arose some inherent problems, such as poor positioning accuracy, board scratch problem, electromagnetic pollution and unlimited consumables, etc. However, for infrared technology, all the problems do not exist any more. Infrared Interactive Whiteboard has realized high stable performance and low failure rate, and it must be the main trend for whiteboard and touch screen to replace all the other technologies.



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B. Technology Specifications & Features

| Technology | Specifications |
|----------------------------------|---|
| a. Electrical Performance | |
| Induction Way | Infrared Sensors |
| Power Supply Input | DC5V PC USB |
| Electricity Consumption | ≤70mA (USB Direct Power) |
| Signal Interface | USB 2.0; 2.4G RF(Wireless) |
| USB Max Length | 30m |
| Transmission Speed | 12M/s |
| Anti-light Intensity | Direct Under the Sunlight |
| Positioning Accuracy | 4096X4096 |
| Scanning Speed | First Point 25ms, Consecutive Point 8ms |
| Cursor Speed | 180 points/s |
| Adaptation Resolution Projector | 800×600,1024×768,1280×1024,1280×800, etc. |
| Projection Display Rate | 4: 3; 16: 9 |



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| | |
| b. Projection Board Performance | |
| Projection Size | 40; 52; 60; 72; 80; 82; 88; 92; 100; 108 inch & customizable |
| Projection Effect | High display effect |
| Viewing Angle | Left & Right 170° |
| | Up & Down 160° |
| The surface Material | Durable PVC Forming Once Time |
| Shore Hardness | ≤60 |
| Cleaning Method | Washable |
| | |
| c. Product Performance | |
| Product Size | Reference INTECH Size Form |
| Working Temperature | -20°C~60°C |
| Working Humidity | 10~90% |
| Weight | Depends on different sizes |



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| | |
| d. Optional Accessories | |
| Stand | Mobile Height-Adjustable Floor (Optional) |
| Wall-Mounted Bracket | Standard |
| Wireless | 2.4G RF(Optional) |
| Built-in Speaker and Microphone | Optional |
| Pen Tray | Intelligent Pen Tray |
| Pointer | Intelligent Pointer |
| | |
| e. Software Sorts | |
| INTECH Software | Standard (Keep customers updated for free) |
| Second Development kit | Customized second development available. |