Overview

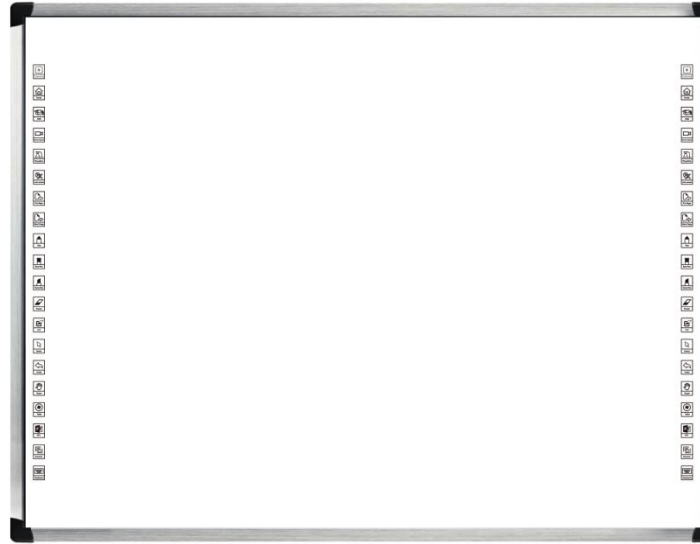### IR (Infrared) Interactive Whiteboards – TDD-IWB-IR

TDD-IW-IR (Infrared) Interactive Whiteboard has **infrared** transmitters and receivers, which linked to a USB main board and fixed inside rigid aluminum frames, forming a square scanning infrared ray net on the surface when connected to a computer by USB cable. When a finger or other non-transparent object touches on the surface, this touching point's coordinate (x, y) is immediately transmit to the main board and forms a corresponding PC operation.

Meanwhile, the panel itself is free of technology, guaranteeing longer life time than any other types of interactive whiteboards. Four points touch bring maximum four students collaboration at the same time. Teachers can design more interactive lessons and students will be even more engaged in the learning process.

Features

Hands-on learning, intuitive capabilities
A catalyst for class participation. Intuitive design. Engaging digital workspace. True multi-student collaboration and small group learning. Encourage critical thinking and problem-solving. Spark better learning outcomes for all.

Multitouch Collaboration
With multi-touch interactivity, multiple students can work together or independently at the board with fingers or a pen.

Freestyle interaction
Every surface inch is a collaborative workspace – multiple students, multiple actions

Intuitive at every touch

Go from pen to fingers to palm of your hand, interchangeably with object awareness. Flick, rotate, zoom and erase with natural touch gestures.

In the classroom

Inspired collaboration is inclusive. Learn how our unleashes learning for every ability.

Specifications

• Available in 82", 92" and 101"WS **(See Following Details)**
• Erasable porcelain surface option
• Advanced IR technology with 4-pt Dual Touch
• Included Interactive Whiteboard Annotation Software
• Surface is durable, cleans up easily and is coated to provide minimal glare
• Annotate over any application & save work
• Easily integrates with document cameras, webcam and visualizer etc.
• Supports third party software applications
• Create, edit and annotate over live motion video
• Free upgrades

Physical Specifications

Model	TDD-IWB-IR82I, TDD-IWB-IR92I, TDD-IWB-IR101I
Size(inch)	82", 92", 101"
Technology	Infrared
Outline Dimension(mm)	1720×1275
Active Screen Area (mm)	1630×1185
Active Size(inch)	79.3", 87.3", 96.3"
Aspect Ratio	4:3 with left and right icons

Technical Specifications

Item	Specifications
Touch Way	Finger, pointer or any other opaque objects
Multi-touch	2 points or 4 points(Optional)
Orientation Accuracy	＜1mm
Recognizable Object	＞ø3.0mm, suggested: ＞ø5.0mm
Cursor Speed	Approximately 180 dots per second
Resolution	4096(W) × 4096(D)
Response Time	Continuous writing: 8ms
Touch Lifetime	＞60,000,000 single point touch
Board Material	Nano galvanized sheet, aluminum honeycomb panel
Mounting Way	Wall mounting or Mobile stand(Optional)
Certification	CE, FCC, RoHS
Interface	USB2.0

Power Supply

Item	Specifications
Power Supply	USB
Working Voltage	DC 4.6V ~ DC 5V
Working Current	＜200mA
Power Consumption	＜1W

Working Environment

Item	Specifications

Temperature	Working Temperature: -10 °C to 50 °C	
	Storage Temperature: -30 °C to 60 °C	
Humidity	Working Humidity: 10% to 95% (non-condensing)	
	Storage Humidity: 0 to 99%	
Working Environment	Indoor, outdoor and working in the sun	
Operating System	Windows 2000 / XP / Vista / 7 / 8, Mac, Linux	

Remark: Requires a projector to project image onto interactive whiteboard.

OS & Software:
Annotation Software for annotating over any running applications and save all of your work.
Support Windows XP, Vista, 7, Mac OS and Linux etc.

Dimensions:
Height, Width & Depth: Subject to Change

Packing: Bubble-wrap, Carton, Wood (Plywood) Crate

Applications
Education: Electronic annotation and mark up of electronic files or images of all types. When used with a document camera it allows annotating over any object or printed material under the camera lens.
Scientific Research & Medical Industry: As above.
Legal Field: As above plus: annotation over electronically displayed evidence and/or scanned documents.
Corporate: As above plus: annotation over AutoCAD drawings, spreadsheets, or other electronic documents.
Military: As above plus: annotate over Maps, photos, flowcharts, plans, 3D objects, training materials, etc.

Download

* **TDD** (**www.tddtouch.com**, **sales@tddtouch.com**) reserves the right to change specifications without prior notice.