GLOVIEW®

FP3 Board

GLOVIEW Finger Touch Portable Interactive Whiteboard

World's First Finger Touch Portable Interactive Whiteboard

The 3rd generation of Finger Touch Portable Interactive Whiteboard

FP3 update: Easy to install and use;Response quickly and latency less; Support auto calibration and gesture recognition.

The 3rd generation Finger Touch Portable Interactive Whiteboard **3rd Generation**

GLOVIEW®

Information

Shanghai EASI Computer Technology Co.,Ltd is specialized in the technology of image analysis since 2002, located in Caohejing High-Technology Park in Shanghai, China. We are working on portable interactive whiteboard since 2010. After three years development, we are the pioneer and leader of portable finger touch interactive whiteboard in China. Now our company has successfully developed and produced the 3rd generation Finger Touch Portable Interactive Whiteboard -FP3 Board, which is more stable, easy to install and use, response quickly and latency less. Nowadays, LICT is the most advanced interactive technology, as evidenced by automation and stability.

Laser Image Calibration Technology (LICT)

FP3 Board with two parts: emitter and sensor. Emitter can be attached on flat surface. It emits infrared laser curtain on the surface which is about 1mm thick invisible light and parallel with the projection screen surface, 1-2mm above the screen surface. When the finger or any non-transparent object touch this virtual surface, the light will be reflected and detected by the sensor. Computer will figure out the position of the mouse by accurate calculating the reflected light position.

Features of Laser Image Calibration Technology (LICT):

☐ Finger touch, active size up to 100 "
☐ Auto calibration within 5s, the success rate more than 95%
☐ 10 points touch

☐ Plenty of Gesture Recognitions
☐ High cost-effective

☐ Small size, portable (Main part includes emitter and sensor, totally weight less than 500g)
☐ Min throw ratio: 0.19

Function Introduction of FP3：

1. High stability. Use the advanced algorithm to avoid the affect of the light.

2. Requirement for the board. The only requirement for the board or wall is flat and evenness. The board can be with the frame. The projection screen can closer to the frame, even in the edges of the frame, FP3 product can work well.

3. Support plenty of gesture recognitions. Write with single finger; move with two fingers; erase with palm; two fingers for zoom in& zoom out; two fingers work as scroll bar and so on.

Write with single finger	Erase with palm	Two fingers away from for Zoom in	Two fingers closer for Zoom out	

Scroll bar	Two fingers drag to change numbers	Double click with palm for back to the desktop	Stay 2s for open Spotlight

4. 5s auto calibration (as Picture A). Infrared technology and Optical technology only support manual calibration. Our auto calibration is much more accuracy and easier to operate.

Picture A   Picture B

5. Support 10 points finger touch (10 people can write together) (as Picture B)

6. Support Larger active size. Support 40-100 **"** for the room with sunlight (if the room without sunlight, it can support the active size of 40-120 **"**).

7. Portable, high integration and easy to install. Total weight is only around 500g. The installation is very easy, just need to put the emitter part on the upper of projection screen, and the sensor mounted to projector or ceiling. No skill needed.

8. Sensor with the flash chip. Don't need to calibration if you change the computer with the same resolution ratio. It saves time, and makes the use easier.

9. The product is smaller. Emitter part size is 35cm x 17cm x 2.4cm; it can put on the board directly.

10. Wireless connection. Wireless connection between emitter and sensor, and sensor wireless control the emitter's on and off. This make product more durable.

11. Sensor's filter with Auto push-pull device. When do auto calibration, the filter will be open; after calibration, the filter will be closed automatically. Such action makes the product more stable to resistant to the interference light, and the auto calibration success easier.

12. Turn common board or wall to touch board. It can turn any flat surface (whiteboard, wall and so on) into finger touchable.

13. Any non-transparent object can be used as pen, like a rolled paper. In any active area, any non-transparent object can work instead of the pen and the mouse.

Product Installation

Emitter   Power   Sensor   USB Cable

If you are interested, please contact us for more details: 86-21-64050009/easitech@hotmail.com

Technical Parameter
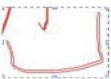
Finger Touch Portable Interactive Whiteboard – FP3 Board

Calibration	Automatic(5s) / Manual (25/36 points)/Semi Automatic (4 points)
Gesture Recognition	Single finger for "Write"; Two fingers for "Move"," Zoom in & Zoom out" and "Scroll bar"; Palm for" Erase"; Palm stay 2s for "Spotlight"; Palm double click for "Back to desktop".
Multi Touch	Ten points touch, write and erase can do together.
Latency	<30ms
Filter	Software auto-control, enhance stability.
Min Active Size	40 inch
Max Active Size	120inch(no sunshine room);100inch(sunshine room)
Technology	Laser Image Calibration Technology
Positional Accuracy	± 1 Pixel (Resolution: 4096*4096)
Aspect Ratio	4:3；16:9；16:10
Projection Ratio	Ultra short throw : 0.19, FP3ENGLD4, installation distance:0.30~0.40M; Short throw: 0.34, FP3ENGLA4, installation distance:0.54~1.1M; Long throw：3.0 , FP3ENGLE4, installation distance:2.15~3.2M. (Depends on 80" projection screen)
Laser Beam	Short throw/ Long throw: 3units; Ultra short throw: 4units.
Wave of Laser	808nm
Power	5w
Power of Laser Beam	150mw/unit *3
Power Requirements	5V/1.5A
Signal Refresh Rate	120fps.
Connect	The sensor and computer are connected by USB Cable; Emitter and Sensor are wireless; Emitter just needs power.
Weight	0.5kg
OS Requirement	Windows XP, Vista, Windows 7, Windows 8
Software	Calibration software(driver) and GLboard(education software)
Certification	CE, FCC
Warranty	2 years
Package	1. Sensor 2.Emitter 3.Mounts 4.USB cable (12m) 5.Pionter 6.Power Adaptor 7. Manual

Comparison Table

Technology	Structure	Auto Calibrate	Multi Touch	Gesture Recognition	Cost and Active Size	Maintenance	Ability to resist dust	Cost
Gloview LICT	Emitter (3.2cm*16cm*1.7cm) and Sensor. No need any special device on the board frame	Yes	Yes (Max 10 points)	Plenty of	Cost increase little when size increase	Only change module	Best	Low
IR	IR frame in each edge of board	No	Yes (2 points)	Few	Cost increase much when size increase	Need return the board back	Bad	High
Optical	Reflective stripes in each frame of board and Optics module	No	No	Few	Cost increase much when size increase	Need to return board back	Worse	Low

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Educational Software Introduction

Tool button	Description
	Set up a new file: 4 kind backgrounds available. click▼ to select from the drop list: white, black, picture or note page
	Pen：writing like a ball pen（Finger Touch Model: use the finger to write）
	Brush pen
	Smart pen：convert the drawing into typewriting geometric shapes Drawing　Recognized display shape　Drawing　Recognized display shape
	Multi-writing：ten people can write together when you click this button
	Insert shape：different shape such as line, angle, circle and so on
	Insert image：chose any picture or chose the files such as mp3、wav、swf、asf、rmvb、avi and insert it into the page.
	Text Option：drag anywhere in the page to generate a text box, and you can input text from the keyboard, soft keyboard. Click the text for seconds the there is drop list: cut, copy, paste and so on.
	Fill tools: fill the shapes with different color
	Stroke select: select the handwriting on the page and you can do "drag and zoom operation".
	Move：move the shapes, text and pictures
	Zoom in and zoom out：rotate or boom the shapes and picture in the page.
	Pen color option：set the ink color, click the button to chose the color. If no desire color, click the color list. **Fluorescent pen**: brush pen with a translucent function. Easy to make notes and text can still be seen. 普通笔效果 荧光笔效果 上海易视计算机科技有限公司
	Color: chose this color to fill different shapes.
	Set stroke width and line type
	Eraser: eraser strokes and pictures. Click ▼ to chose Erase By Stroke Erase By Point Erase By Picture
	Undo: cancel the last operation
	Redo: redo the operation just cancel by Undo.
	Expansion: the present screen can be infinitely expanded to any size.
	Back to the desktop