

FINGER TOUCH PORTABLE INTERACTIVE WHITEBOARD

FP3 BOARD

QUICK START GUIDE

V 4.0

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Quick Start Guide

Package:



Device (Sensor and Emitter)



12m USB Cable



Mounts



Power Adaptor



Pointer



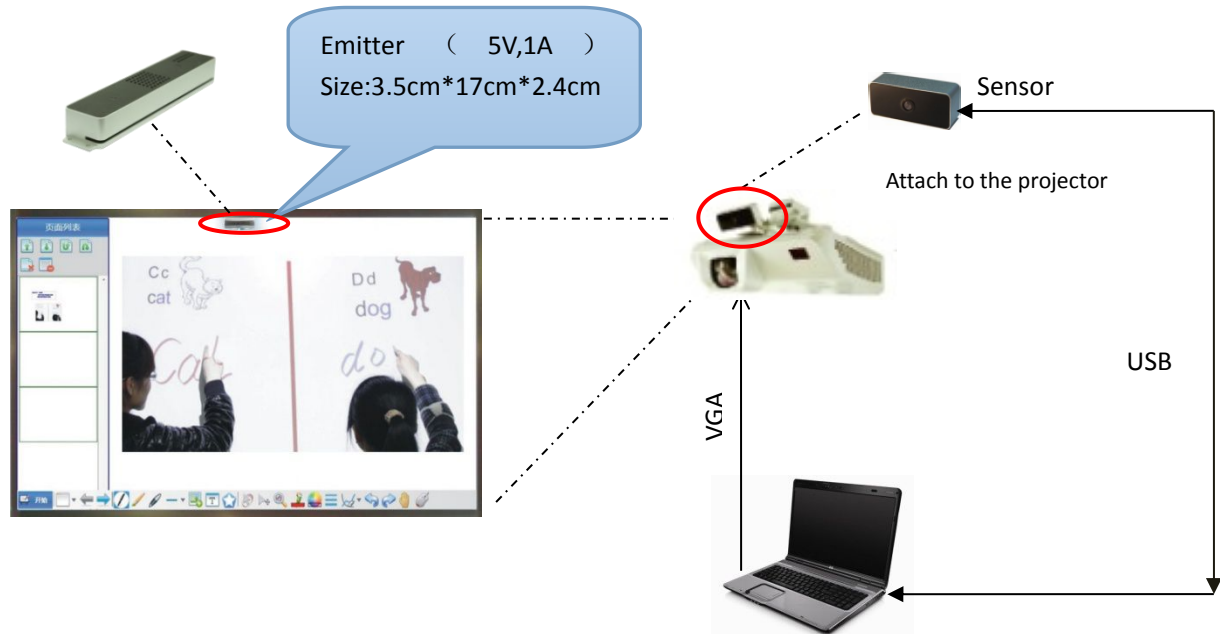
CDs

Installation preparation:

Projector, Computer (Vista, XP, Windows 7, Windows 8), **Flat whiteboard (Must very flat)**

Hardware Installation

Connection Topological graph:



Requirement for installation

1. The whiteboard should be flat, more flat, better touch feeling.
2. It is better to use curtain if the room be full of sunshine.

3. USB cable or adapter cable cannot be cut or extended.
4. Leave 7cm space above the projection screen before you install the projection, such space for install the emitter.
5. Put a adhesive tape on the middle of emitter (the central point of projection screen must on straight line with the central point the emitter)



6. Must use the screw to install emitter for long-term use
7. Camera use the mount install beside or on the projector, make sure the camera is fixed after adjusting the projection screen in the camera's view.
8. One emitter support 90inch,two emitter support double screen under 180inch.

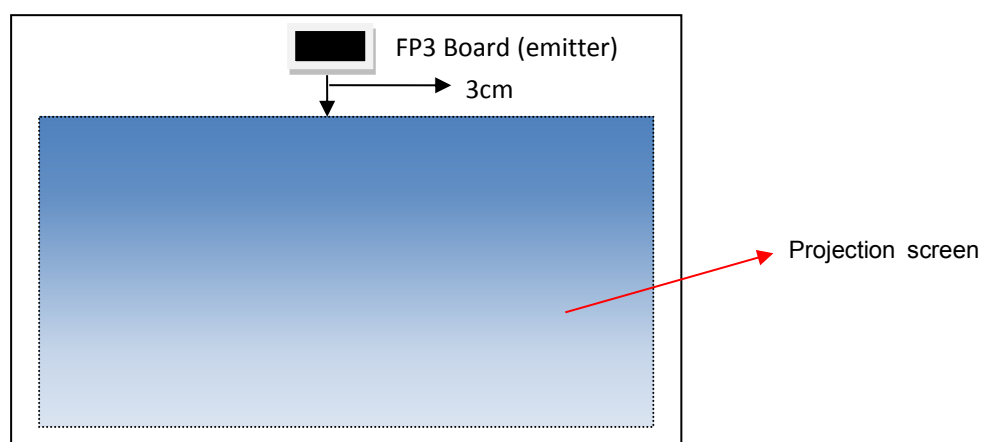
Installation

Step 1:

Emitter installation: Make sure the projection screen between 40"-90". Put the emitter part on the upper middle of the projection screen by screws.

*Please leave a space about 3cm between emitter and the projection screen's upper edge (as below Pic1).

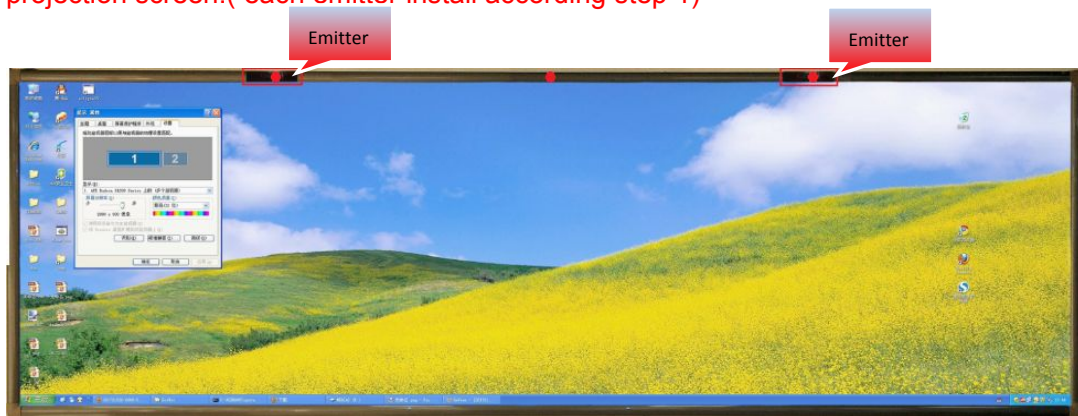
* Don't install the Emitter to the frame of board.



Pic 1



Note: if you use double screen FP3 Board, one emitter on the above space of one projection screen.(each emitter install according step 1)



Step 2:

Sensor Installation: attach it to projector or attach it on ceiling. Make sure the Capture viewing is erected.

For 80" active size (Projection screen), the installation distance is about 1m-1.2m for short throw Sensor part, 0.6-0.8m short throw Sensor and about 2.2m-3.2m for long throw Sensor part.



Pic2

Note: if use double screen, two cameras install on two projectors separately.

Step 3.

Cable connect: Use the USB cable connect camera to computer, and the adapter connect to power

Note:if use double screen, two camera use USB cable connect to the same computer.

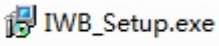
Adjust the hardware

Software installation

Step1.

Calibration software installation:

Open the small CD and copy the “Calibration Software” and “Application Software” file folders into your computer.

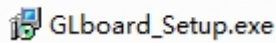
Open the file of Calibration Software, run “IWB_Setup.exe”;  , Then there will be icon on desk :



Education software installation

1. GL Board installation

(3).Open the folder “Application Software”, double click “GLboard_Setup.exe”



Click “next step” until it fished. There will be a icon of GLboard

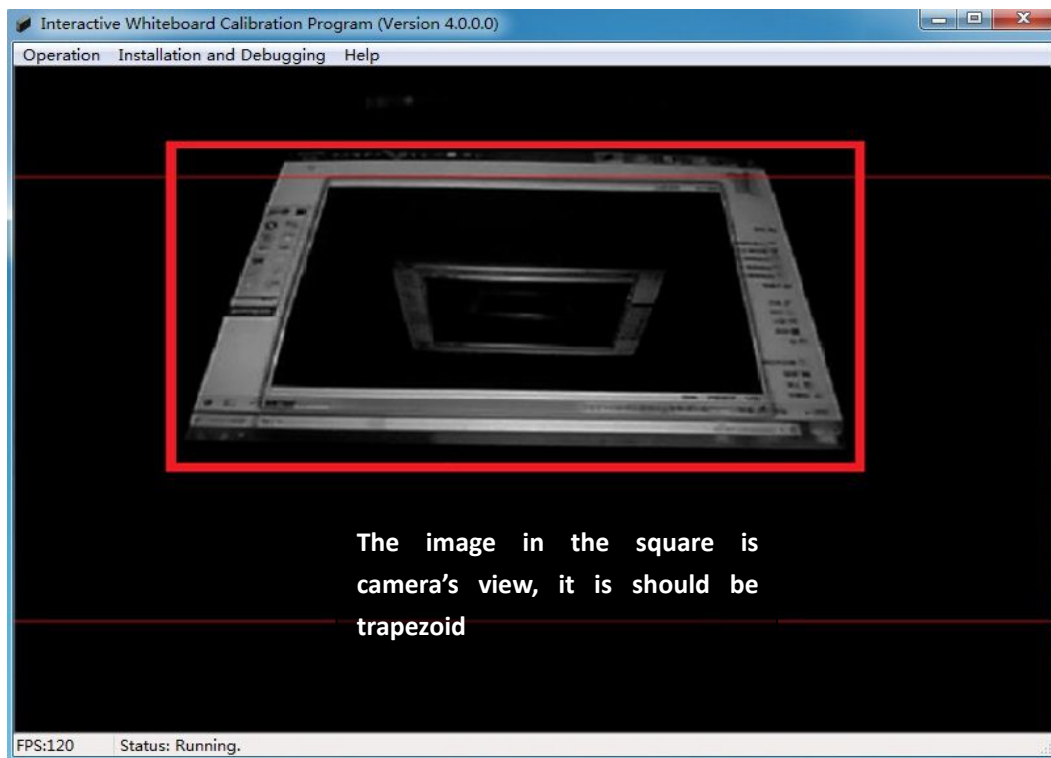


Step 2.

Adjust the camera

Chose “Installation and debugging”-“Mode 1”, then you can see the whole projection screen clearly (As Pic3).

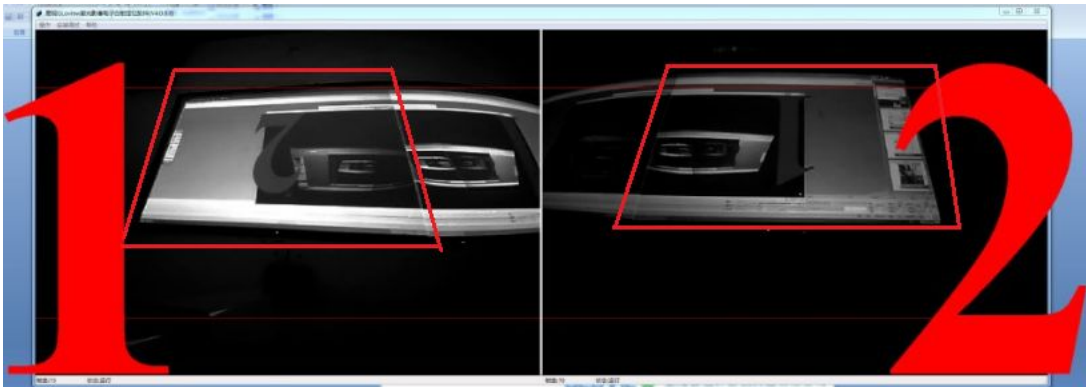
*****Adjust the camera’s position to make Projection screen image take up 60-80% of the software interface.**



Pic3

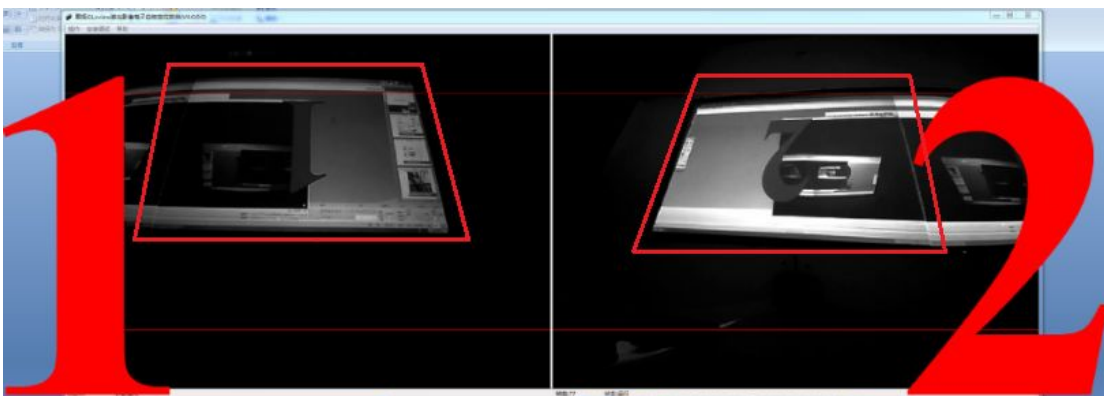
Note: If use double screen FP3 Board, Left camera should take the image of left projection screen, right camera should take the right one.

When it is in camera mode, if the image is in opposite way as Pic 4:



Pic4

Then please right click in the image, chose "exchange the image", then it is will be right as Pic5:



Pic 5

Step 3.

Adjust the emitter

1. The standard: Chose "Installation and debugging"-**"Mode 2"**. In this mode, emitter cast invisible the laser light over the whiteboard is about 5mm, the light should be parallel with the whiteboard.

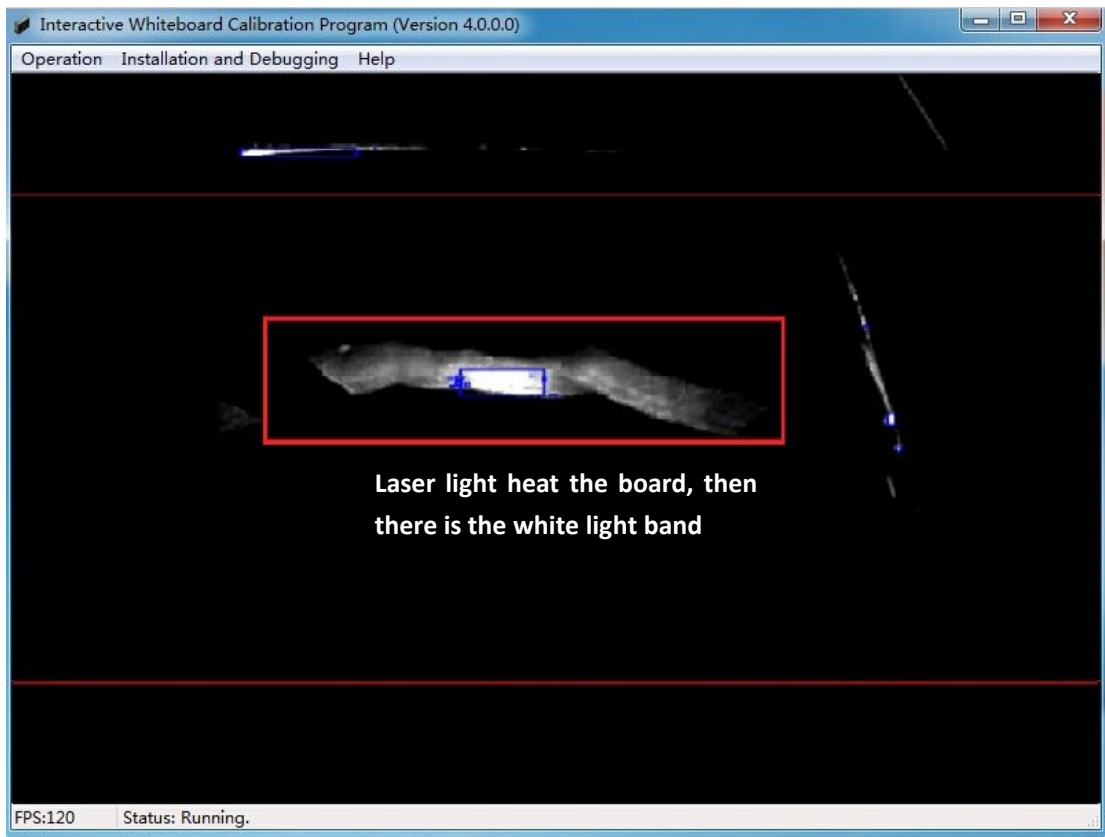
2. Principle of adjust:

Tighten the down-side screw, then laser light Tilt down. when the light is over the board too much, then do this step .

Tighten the upside screw, the the laser light will Tilt up. when the light heat the board, then do this step.

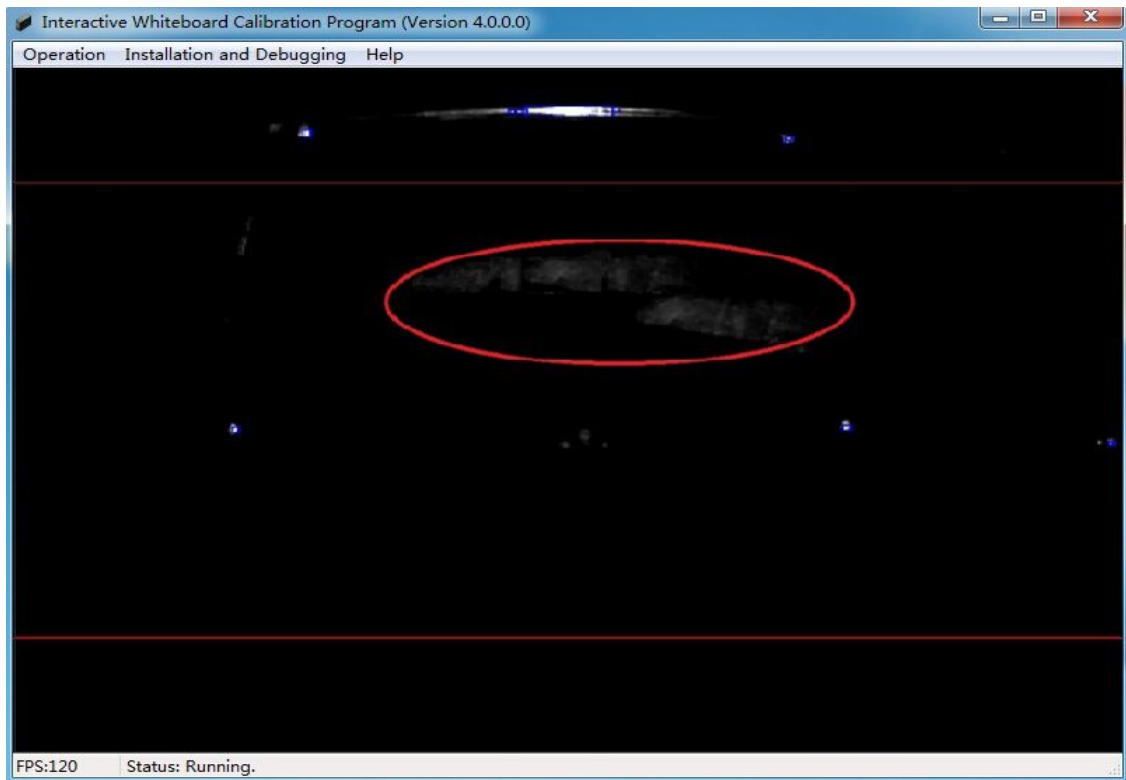
3. Best way of adjust emitter

After install the emitter, tighten the down side screw first, let the laser light heat the board like Pic6



Pic6

Then tighten the up side screw, until the white light bond become weak as Pic 7



Pic7

Note: If use double screen, adjust the emitter at the same way.

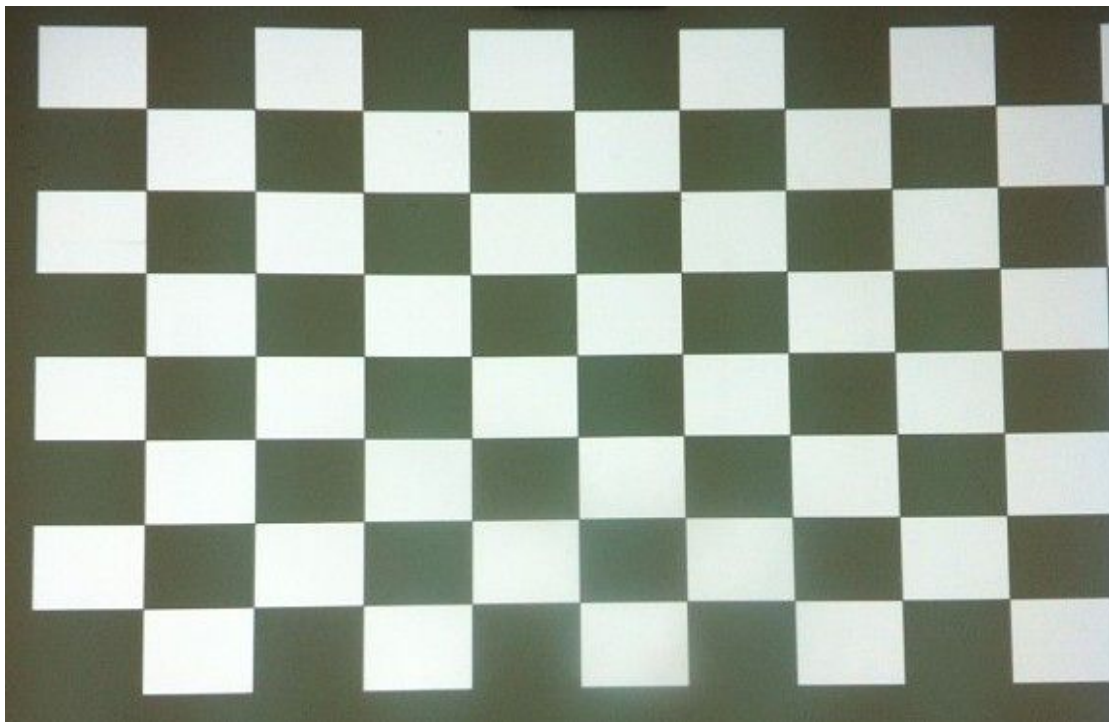
Step 4.

There are two calibrations way: one is auto calibration, one is manual calibration. You can chose the one you like.


Automatic calibration

Choose "Operation"- "Auto Calibration". After about 4 seconds, calibration success. Then you can use finger do operation in the projection screen.

Just click "Operation", chose "Automatic calibration", then you will see as Pic8:



Pic8

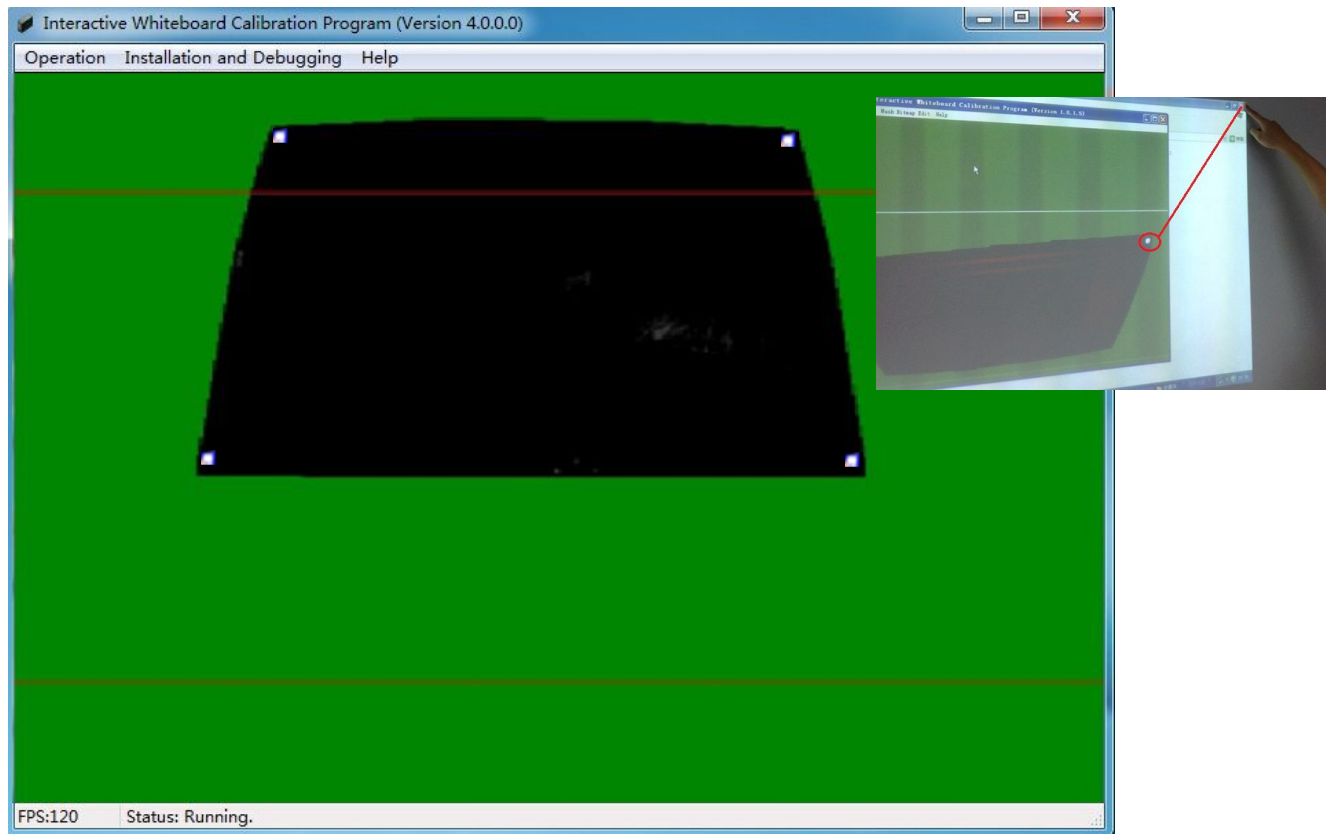
After finished the calibration, then the software will be minimize it on task bar  , then you can use the finger to touch the screen now.

Manual Calibration

If you cannot do auto calibration, then you can do manual calibration.


1, Please choose "**Auto Mask Clutter**" from "**Mask Bitmap Edit**" or you can press **Ctrl+Shift+A**. The software will specify the active area automatically. The other area will be shielded by green mask.

2, Touch each corner and check if it can be seen from the calibration screen like below. If some corner is not included, please eraser the green mask (**Mask Bitmap Edit**->**Erase Mask Area**).until you can see the spot as below.



Pic9

3, Click "**Manual Calibration**" in the "**Operation**". Then you will see , touch the cross. Please use finger to touch the dot shown on the screen, another dot then appear, repeat this until the 36thor 25th dot is finished.

4, after the calibration, the calibration software will minimize on task bar  , and then you can use the finger to touch the screen now

NOTE: More detail please sees the manual in small CD.