

# Calibration Broadcaster with Blackbody

In this guide, we are going to show you **how connect and calibrate the Laia Broadcaster Thermal with Blackbody.**

1. Connect the camera to the TV via HDMI, connect to the computer via a network cable, and power on the camera



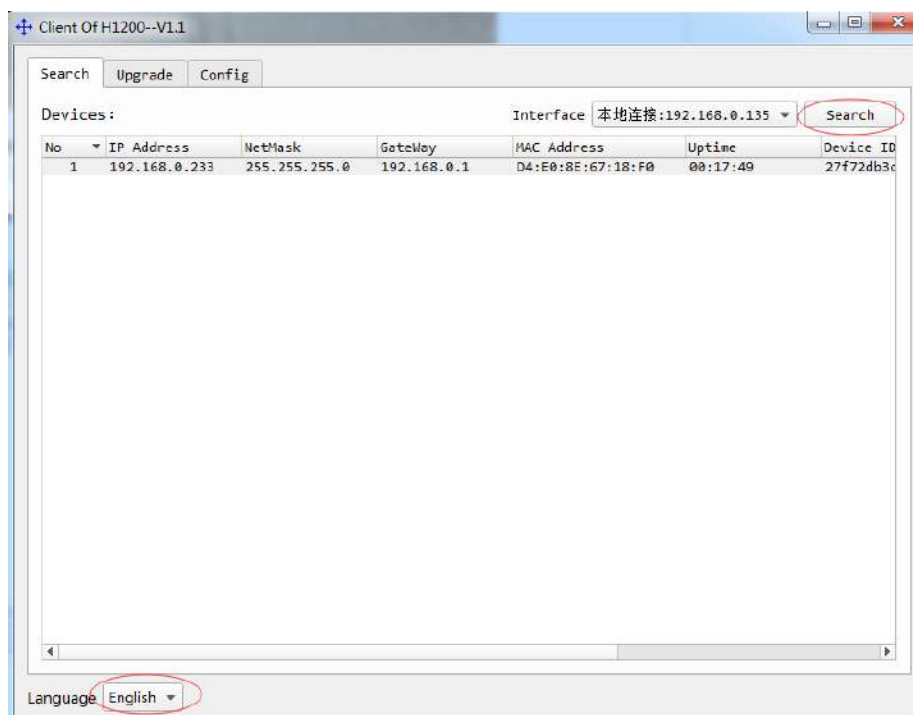
2. Place the blackbody at a distance of 0.7m from the camera, and ensure that the black body is in the middle of the camera image. Try to ensure that the camera and the blackbody are on the same level.

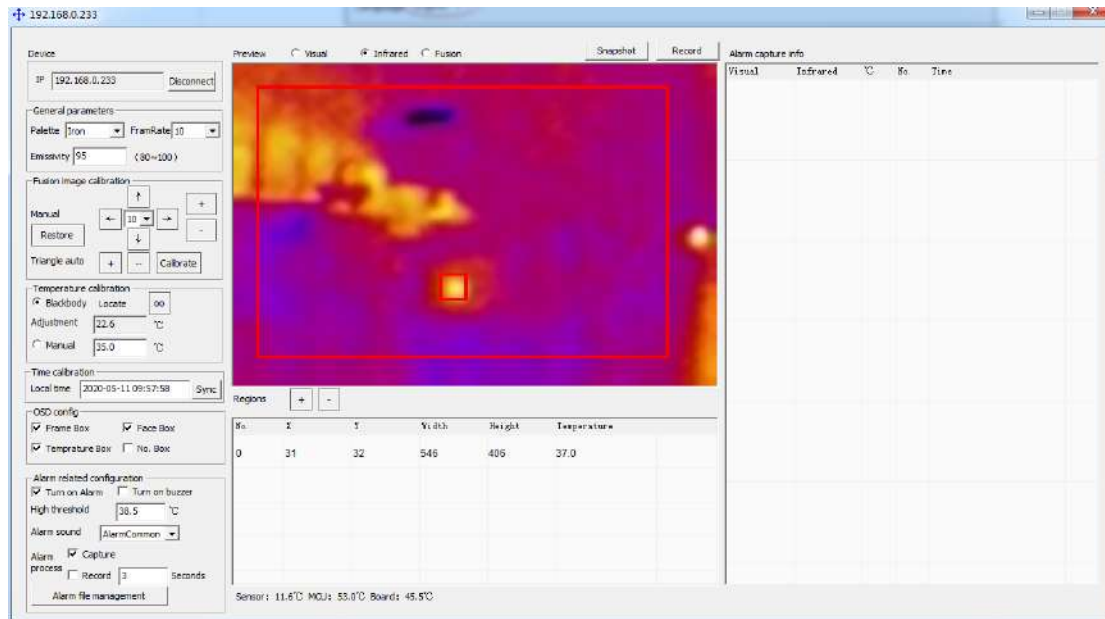


3. Set the heating temperature of the blackbody to 37 °.

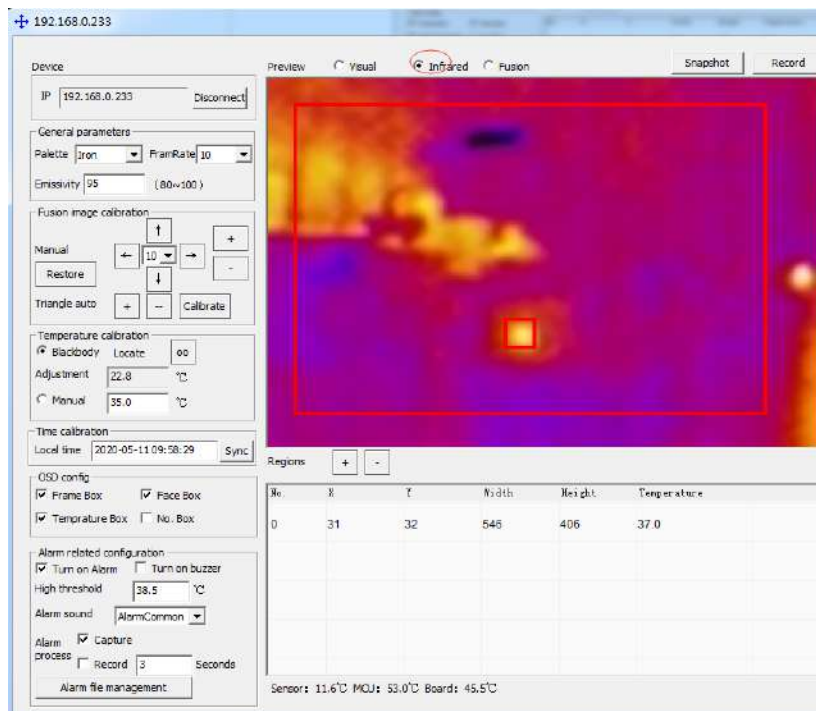


4. Open the camera configuration tool on the computer, enter the camera IP address (default: **192.168.100.88**). Ensure that the computer and the camera are on the same network segment, click Connect, and wait for the connection to succeed.

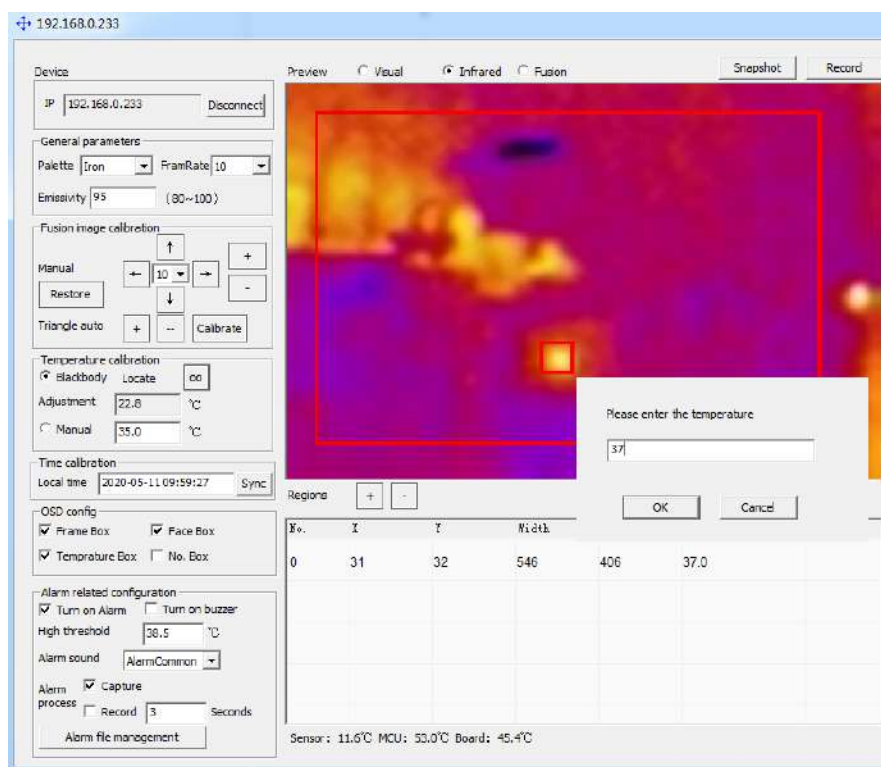
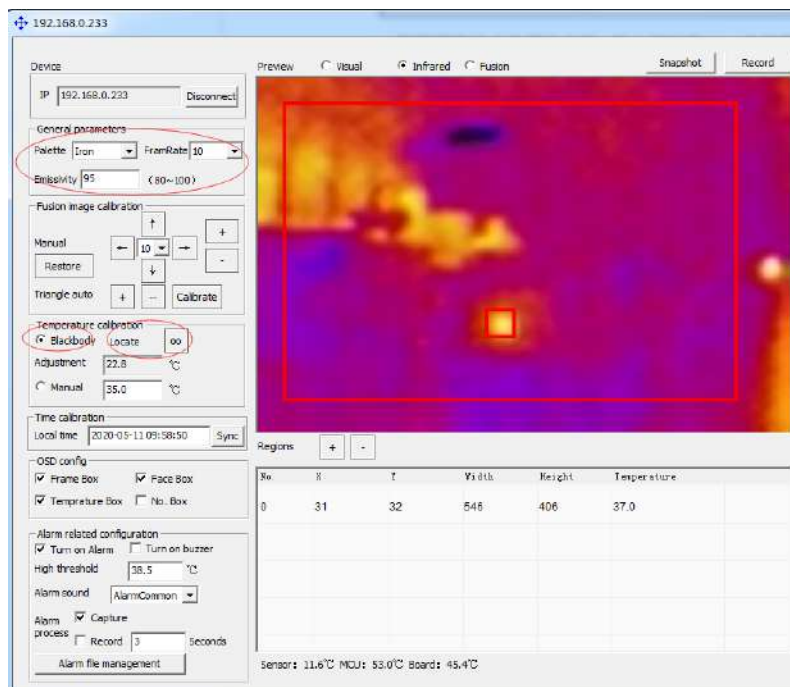




5. Click the infrared image to view the infrared output image of the camera.

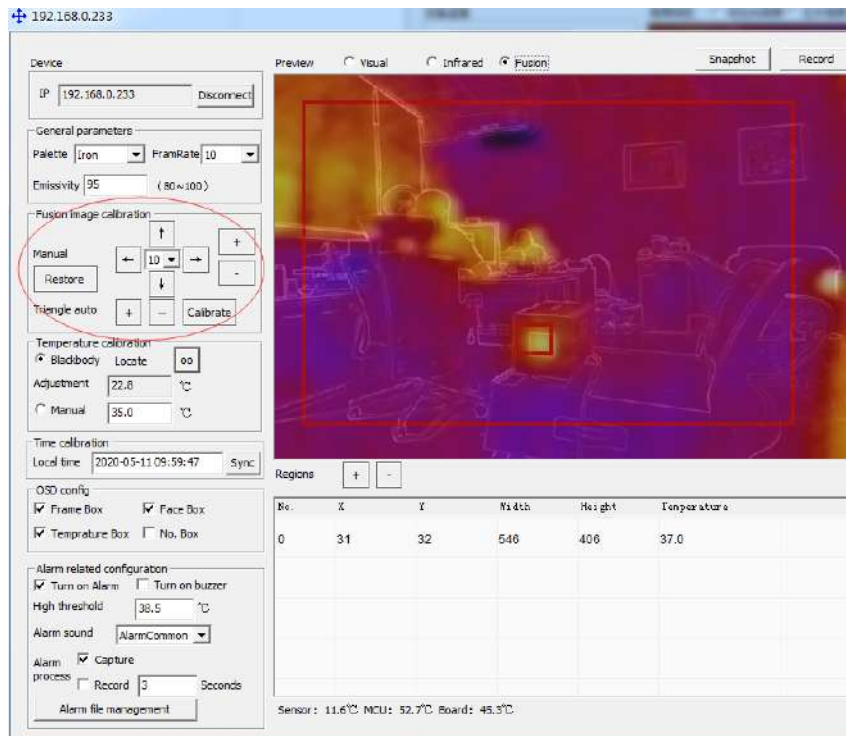


6. Configure the blackbody parameters in the camera, enter the emissivity 95, select the blackbody temperature calibration, and click the **OO** button to select the position of the blackbody in the image, and enter the blackbody temperature 37.0°C.

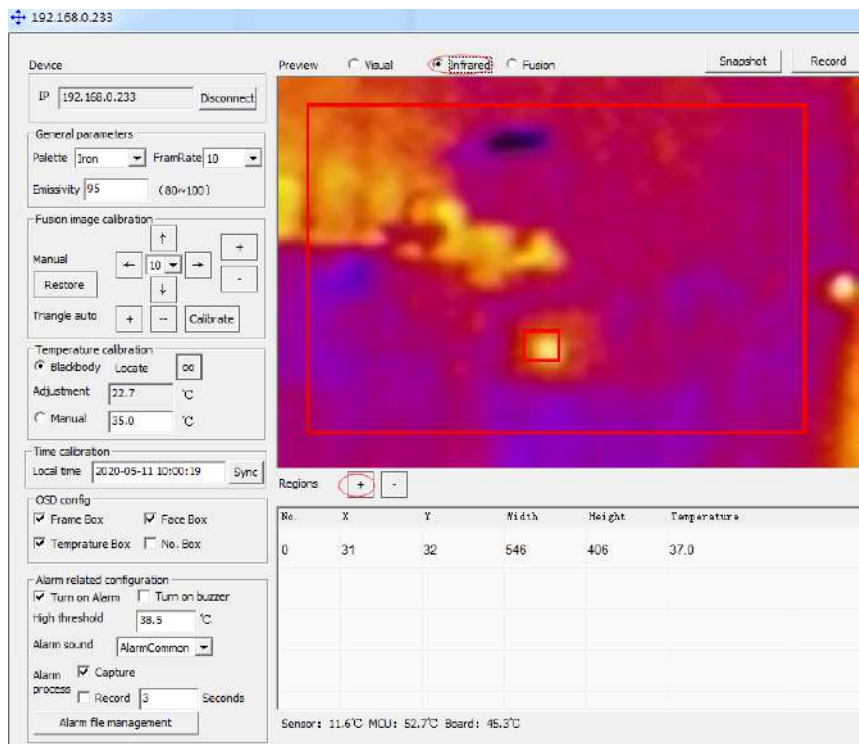


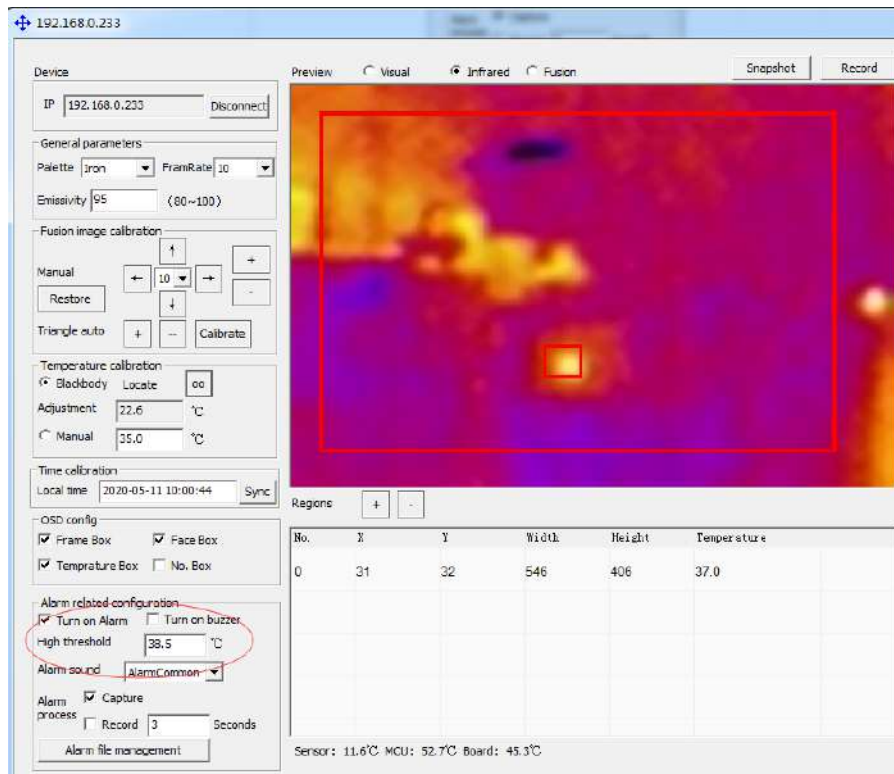
7. Check whether the infrared image is aligned with the visible light image. If it is not correct, you can adjust the fusion image calibration appropriately. If the alignment is abnormal, the temperature measurement will be inaccurate.





- Configure alarm information, select infrared video, add an alarm area (draw a frame in the infrared video image, you can select the required frame according to the size of the alarm area required), start the alarm service, and fill in the alarm threshold temperature.





#### Commissioning considerations:

If the displayed human body temperature is low, you can adjust the input temperature in the blackbody calibration in the software. If you want to display a further 1 °C higher, you can appropriately increase the input temperature by 1 °C, and vice versa.