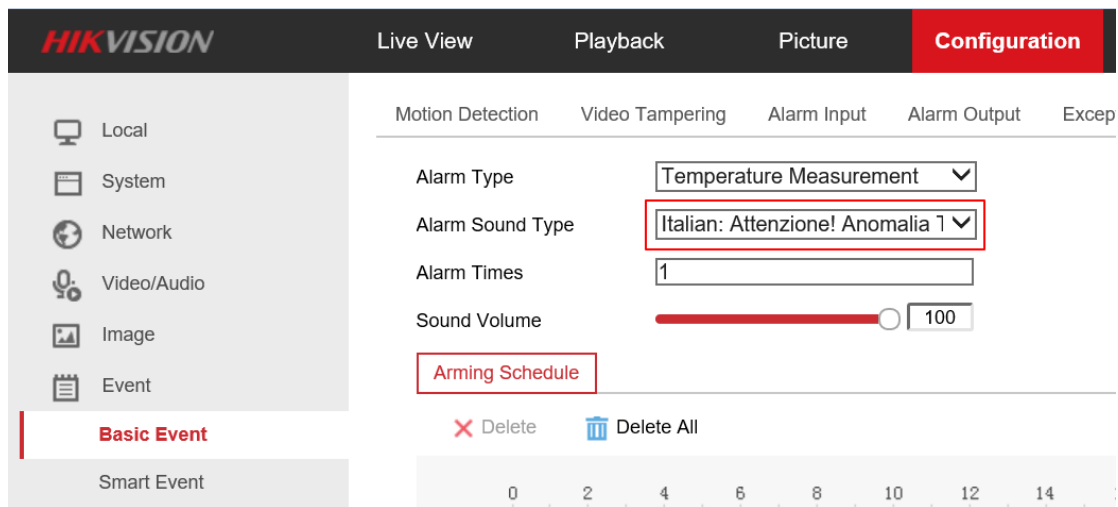**Hello everyone. We have upgraded our Thermal Camera firmware to V5.5.26 build200507 which is the latest one so far. The followings are some highlighted upgrade points since V5.5.26 build200427:**

1. We updated **English** audio files of **Temperature Measurement** and **No Wearing Mask** alarm for devices with /PA. The pronunciation is more standard and accurate.

2. We now offer an option of **Italian** for **Temperature Measurement** alarm sound.
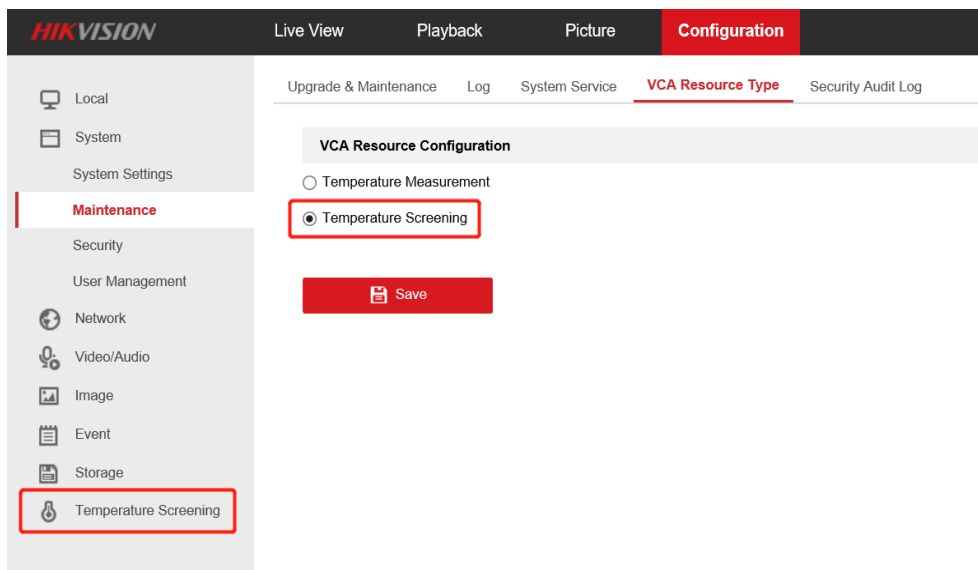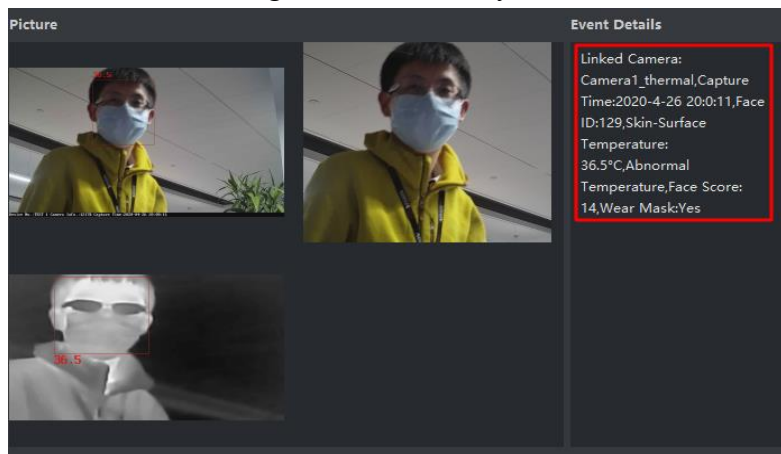

Note:
You can choose different alarm sound other than English for **Temperature Measurement**. But English is the only choice for **No Wearing Mask** alarm sound.
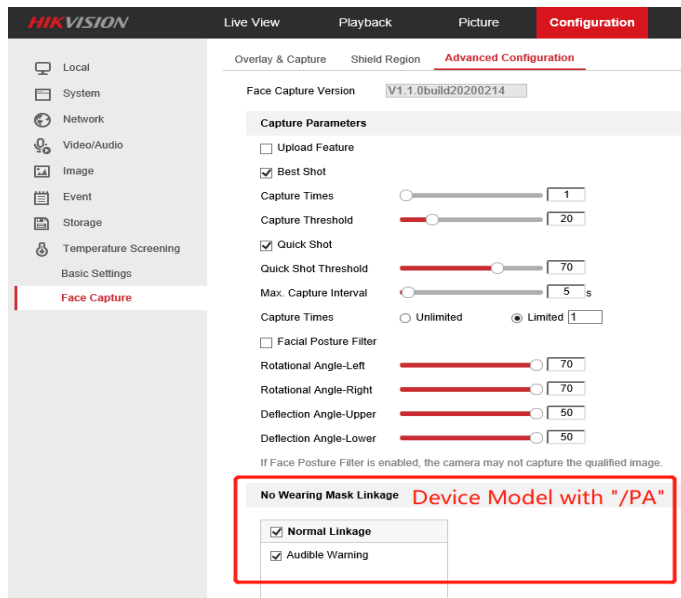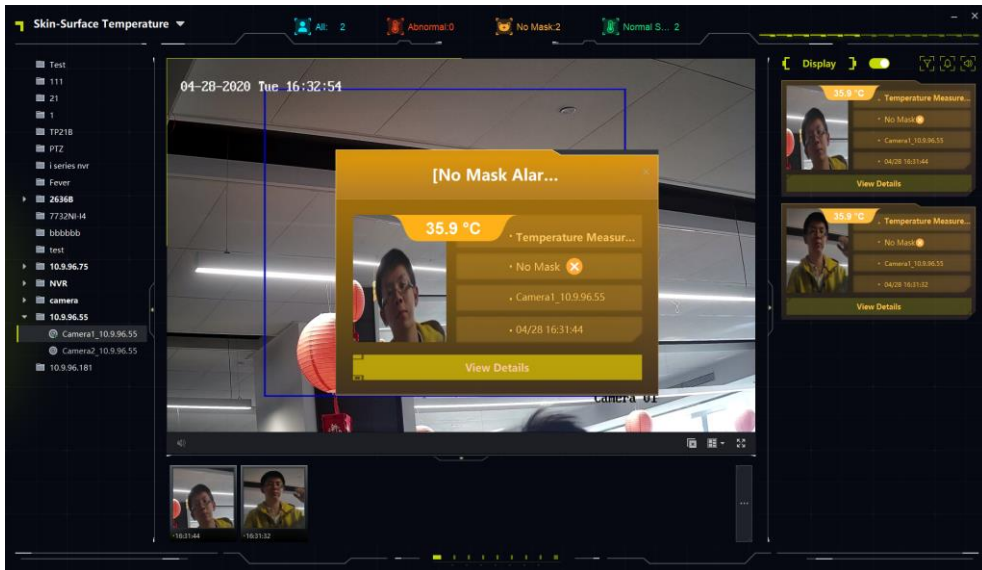
The upgraded contents in the last version V5.5.26_200427 are as follows.

1. We updated some descriptive words of the Web interface. For example, we will use *Temperature Screening* instead of *Body Thermography*.

2. Optimization of temperature measurement algorithm, specifically reflected in:
   ① Sharp temperature variations caused by side faces or low temperature is fixed
   ② The issues that measured temperature is lower than expected, caused by background compensation algorithm embedded in the last version, is now fixed

3. Support Mask detection, Pay attention that as for device with "/PA" module, audio warning is supported; for device with "/P" module, alarm out linkage is supported. In addition, all the alarm linkages are disabled by default.

4. The Logic of face capture is optimized, and add **Best Shot** Mode additionally. The Program logic are set as following:
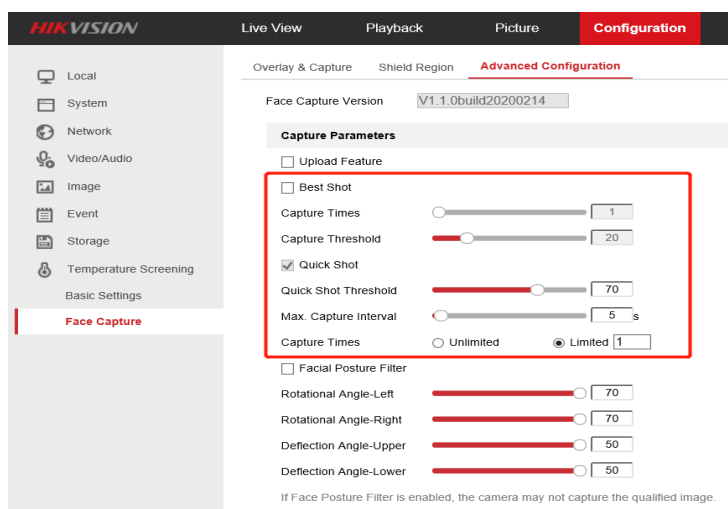
Quick Shot:

When one of the following conditions is met, face picture will be captured and uploaded immediately:

① when people enter into the detection area, meanwhile, the captured image quality meets the threshold, and the snapshot which meets the conditions will be uploaded immediately;

② when people enter into the detection area, if the duration exceeds the maximum capture time, during which the face image does not reach the capture threshold, the image with the highest quality will be uploaded;

③ The time from entering to leaving the detection frame is shorter than the maximum capture time. If the face image does not reach the capture threshold during this period, the image with the highest quality will be uploaded;

④ When the temperature trigger the alarm, face picture will be captured and uploaded immediately.

Best Shot：

When one of the following conditions is met, face picture will be captured and uploaded immediately:

① If the image quality reaches the Capture Threshold, when the object leaves the detection region, face picture with highest face quality score (it should reach the Capture Threshold, otherwise no picture would be uploaded) will be uploaded immediately;

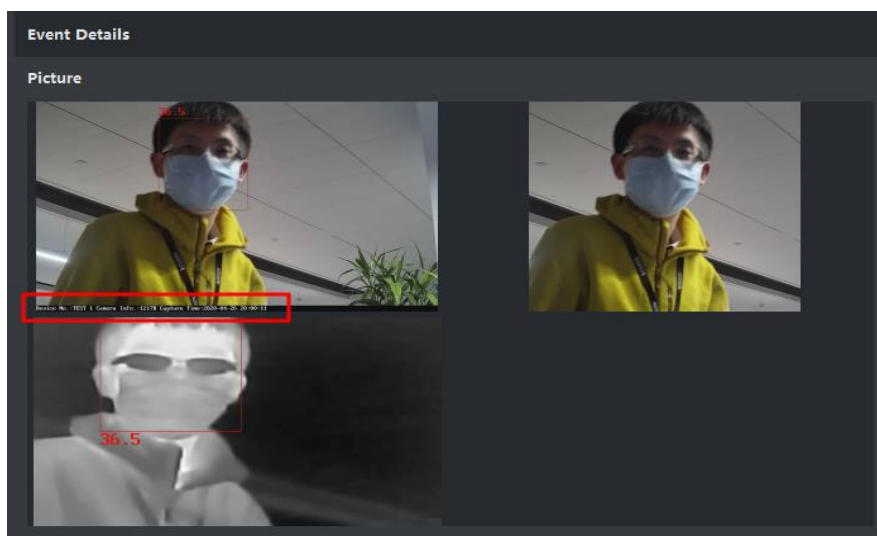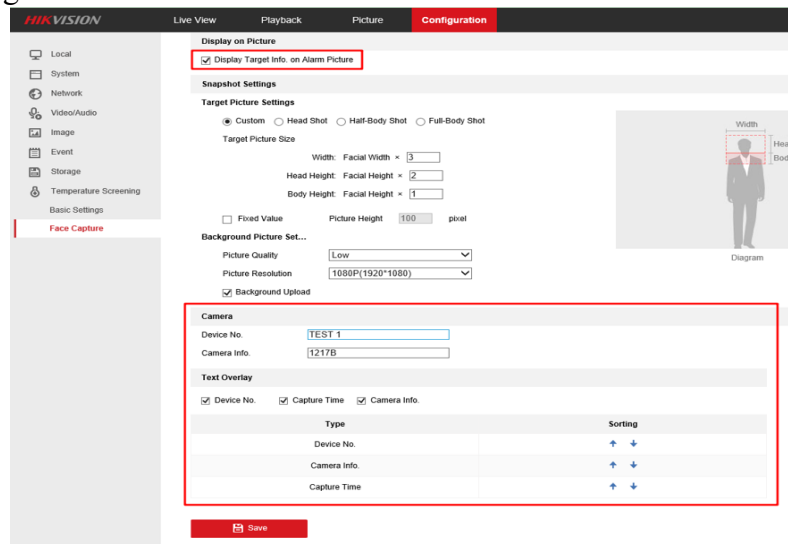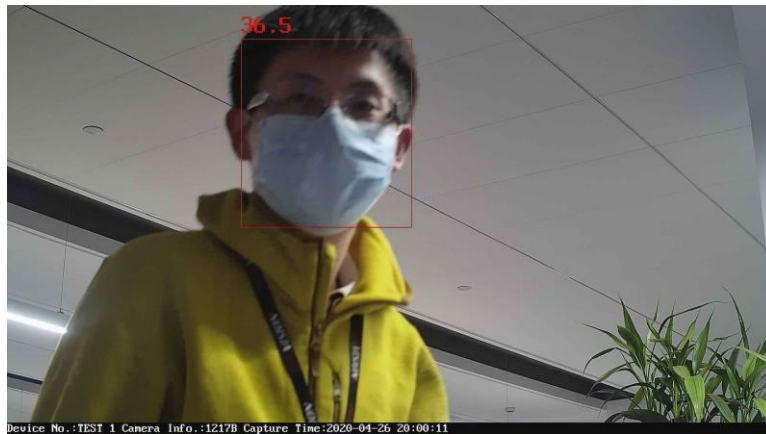② When the temperature trigger the alarm, face picture will be captured and uploaded immediately.

Notes:

① As for some situations like someone comes into the detection area with normal temp. for some reasons, while, as long as his temp. is abnormal before he leaves the detection area. Alarm will also be triggered. Hence, in this situation two pictures
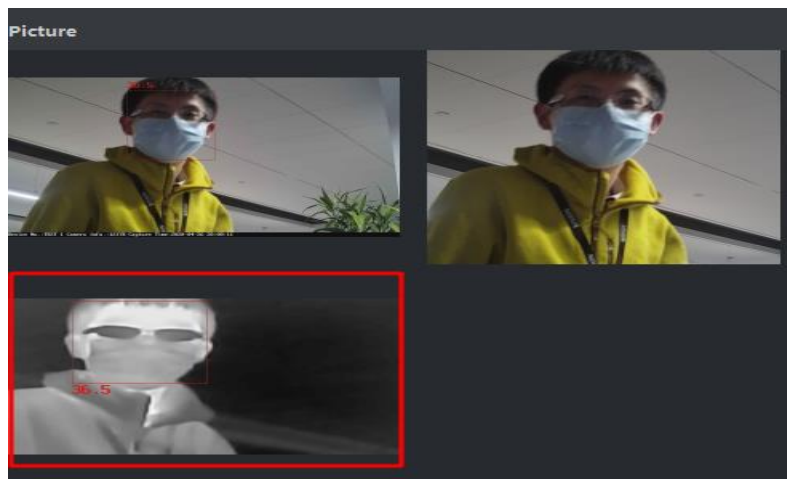
will be uploaded, one for normal, another for abnormal, to reduce the missing alarms.

② Best Shot and Quick Shot can be enabled at the same time, they will work independently. While as recommended capture times is 1 for 1 person, it will lead to a problem that two pictures will be uploaded to the back-end. Hence, we highly recommend to use one mode at one time.

③ As the default parameters of this part have been changed, do remember to restore the device after upgrading to this version.

5. In order to increase the success rate of comparison in the back-end devices, the quality of the snapshot picture is increased.

6. **Device No. Capture Time** and **Camera Info.** could be overlaid on the picture according to customer's needs.

7. Thermal alarm images are added in the uploading pictures.

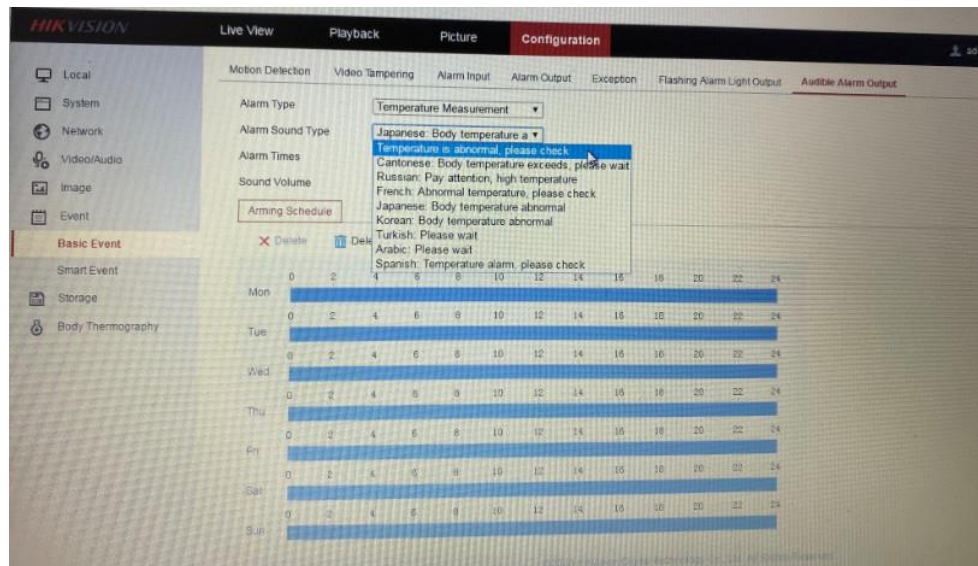**The upgraded contents in the last version V5.5.26_200415 are as follows.**

Note:
There are no differences on the UI of 200415 compared with the former version 200330.

1. The forehead-first rule of temperature measurement algorithm is improved to increase the accuracy and stability of the measurement. **The temperature jump phenomenon are reduced thanks to these improvements.**

2. Improved the temperature measurement accuracy when the device is used in environment background with high temperature (like 30℃ in a tent) by embedding background temperature compensation algorithm.

3. Some UI display problems of minority languages and linguistic bugs are fixed.

The upgraded contents in the last version V5.5.26_200330 are as follows.

1. Change to forehead thermometer to show the highest temperature on the forehead area acquiescently. Reduce false alarms caused by corners of the eyes, corners of the mouth and hot objects in the background.

2. PA device alarm voice supports the selection of other languages (Japanese, Korean, Arabic, Turkish, Russian, French, Spanish, Italian)

3. Add distance measurement mode: **Self-adaption** and **Fixed Distance**. The **Self-adaption** mode would calculate the temperature compensation according to the pupil distance when a face is detected, and calculate the temperature compensation value according to the fixed distance **when the side face exceeds 1 second.**
    Caution: At present, Self-Adaption mode could cause abnormal temperature measurement when a side face appears. Please ensure that the measured people is always faced to the camera, Otherwise, please use Fixed Distance mode

4. Face capture function (Upload Captured Face Image) in overseas devices is not enabled as default.