Abstract

This paper presents a new face detection method which combines the Skin Color Detector and the Template Matching Method. First we can use the skin Color Detector to find the faces. In the Skin Color Detector, we can use the YCbCr model. The YCbCr model can be used to easily detect the Skin color or Non-Skin color in the images. But in the Skin Color Detector, it
can also detect the faces or some non-faces. Finally, we can use the Template Matching Method. This method is used to remove the non-faces and to detect the faces more accurately. Experimental results show that the performance of the proposed method is better than the Skin Color Detector.

Reference


Index Terms

Computer Science

Pattern Recognition

Key words

Edge Detection

Face detection

Skin Color
Face Detection using Combined Skin Color Detector and Template Matching Method

Detector
Template Matching Method