

Face detection

This application detects the facial region in a given image. The file name of the tga image of size equal to the dimension of LCD is included in app_face_detection.xc. The image should contain a single face. The face detection algorithm first identifies the skin pixels based on the RGB values of the pixels. If the values of each pixel satisfy some conditions, then the pixel is considered to be a skin pixel. The connected component analysis of these skin pixels is performed. The facial region corresponds to the component with the largest area. The bounding box is drawn over that region on the original image.