```
import cv2 #mporting opencv Library this i to open camera and take the video import

numpy as np # to convert image to array and expand dimensions from

tensorflow.keras.models import load_model # to Load the saved model from

tensorflow.keras.preprocessing import image # to preproccess the image model =

load_model("dataset.h5") # we are loading the saved moodek video =

cv2.VideoCapture(0) # two parameters 1, bool 0 or 1, frame

index = ["A","B","C","D","E","F","G","H","I"]

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#from playsound import playsound

while(1):

    success,frame = video.read() cv2.imwrite("image.jpg",frame)

    img = image.load_img("image.jpg",target_size = (64,64)) x =

    image.img_to_array(img) x = np.expand_dims (x,axis = 0)

    pred = np.argmax(model.predict(x),axis=1) p = index [pred[0]]

    print("predicted letter is: "+ str(p))

    #playSound("letter"+str(str(index [p])+"is detected"))

    cv2.putText (frame, "predicted letter is "+str(p), (100, 100), cv2. FONT_HERSHEY_SIMPLEX,
1,(0,0,0), 4)

    cv2.imshow("showcasewindow", frame)

        if cv2.waitkey(1) & 0xFF == ord('a'):

        break

video.release() cv2.destroyAllwindows()
```