

Visit: <https://www.tensorgo.com/portfolio/low-light-ir-face-detection/>

Instructions

Input - Click on the "+" button in the video player and upload a decent resolution video with less than 40mb. Video or image with face closeups taken from an IR camera is recommended for better performance.

Output - Provides an image or a video with the people's faces localized even in a low light condition provided the face is closer to the IR camera. Can detect multiple faces present in the image or video with face location (XY coordinates) in a JSON format.

Note: Upload the appropriate video for optimal performance. Uploading any video that doesn't relate to the model might provide you unexpected results.

API endpoints specification

#For Getting the API KEY

#(Registration Not Required)

#Enter the email ID to get the api key.

#The api key will be valid for 2 hours only.#

Request:

post/

[URL]

```
body:{
  "email": "xxxxxxx@xxxx.com"
}
```

Response:

```
{"msg": "Key has been sent to your email"}
```

#For Uploading

#Enter the api key which you have received in

#the email to access any of the below API. The api key should be

#added in the header with name "key"

#For uploading video or image.

Request:

post/

[URL]

```
body:{
  'app': "Name of the app"
  "file": "Attached File"
},
```

```
Headers:{
```

```
    "Key": "xxxxxxxxxx"
```

```
  }
```

Response:

```
  {"ID": "ID"}
```

#You have to enter the above ID in order to download
#the video or file in the download api. If it's a image file
#then you will directly receive the infrared image link

#For uploading video link

Request:

post/

[URL]

```
  body:{
```

```
    "app": "faceDetectIR"
```

```
    "link": "video Link" ->
```

```
  },
```

```
  Headers:{
```

```
    "Key": "xxxxxxxxxx"
```

```
}
```

Response:

```
  {"id": "ID"}
```

#For uploading video rtsp link

Request:

post/

[URL]

```
body:{
```

```
"app": "faceDetectIR"
```

```
"link": "video Link" ->
```

```
},
```

```
Headers:{
```

```
"Key": "xxxxxxxxxx"
```

```
}
```

Response:

```
  {"id": "ID"}
```

#For Downloading

#Enter the ID which you have received in response
#to use any of the below API. It should be added in the query
#with the name "id". Enter the app name which you
#have selected while uploading the video,
#to use any of the below api and It should be added
#in the query with the name "app".

#Download the inferred video:

get/

[URL]?app="app name"&ID="ID received"

Headers:{

"Key": "xxxxxxxxx"

}

#Download the csv file:

get/

[URL]?app="app name"&ID="ID received"

Headers:{

"Key": "xxxxxxxxx"

}