目录

[更新人脸数据 1](#_Toc38452363)

[新增人脸数据 2](#_Toc38452364)

[1:N识别 3](#_Toc38452365)

[公安验证 3](#_Toc38452366)

[活体检测 4](#_Toc38452367)

## 更新人脸数据

Webapi：http://localhost:8080/web/f/appApi/send/faceinfoupdate

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| key | Value(sample) | type | database | 中文 |
| calresultId |  | String (<45) | Calresult.id | 操作id |
| finishTime | YYYY-MM-DD HH:MM:SS | DATETIME | Calresut.finishTime | 操作结束时间 |
| operateType | faceinfoUpdate | String(<45) | Calresult.operateType | 操作类型 |
| result | success/fail/operating | String(<45) | Calresult.result | 操作结果 |
| FaceinfoId |  | String(<45) | Faceinfo.id | 人脸ID |
| Feature |  | Byte[512] | Feature.feature | 人脸特征 |
| 下图为 | Faceinfo | 中数据 |  |  |
|  | | | | |

Socket发送:calresultid, operateType, FaceinfoId,picturedata。

e.g.：

{

"calresultid": "123456",

"operateType": "faceinfoUpdate",

“faceinfoid”:”123”,

"picturedata": {

"facepictureid": "0",

"data": "base64encode"

}

}

## 新增人脸数据

Webapi：http://localhost:8080/web/f/appApi/send/faceinfoadd

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| key | Value(sample) | type | database | 中文 |
| calresultId |  | String (<45) | Calresult.id | 操作id |
| finishTime | YYYY-MM-DD HH:MM:SS | DATETIME | Calresut.finishTime | 操作结束时间 |
| operateType | faceinfoAdd | String(<45) | Calresult.operateType | 操作类型 |
| result | success/fail/operating | String(<45) | Calresult.result | 操作结果 |
| FaceinfoId |  | String(<45) | Faceinfo.id | 人脸ID |
| Feature |  | Byte[512] | Feature.feature | 人脸特征 |
| 下图为 | Faceinfo | 中数据 |  |  |
|  | | | | |

Socket发送:calresultid, operateType, FaceinfoId,picturedata。

e.g.：

{

"calresultid": "123456",

"operateType": "faceinfoAdd",

“faceinfoid”:”123”,

"picturedata": {

"facepictureid": "0",

"data": "base64encode"

}

}

## 1:N识别

Webapi：http://localhost:8080/web/f/appApi/send/1comparen

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| key | Value(sample) | type | database | 中文 |
| calresultId |  | String (<45) | Calresult.id | 操作id |
| finishTime | YYYY-MM-DD HH:MM:SS | DATETIME | Calresut.finishTime | 操作结束时间 |
| operateType | 1:N | String(<45) | Calresult.operateType | 操作类型 |
| result | success/fail/operating | String(<45) | Calresult.result | 操作结果 |
| facePictureId |  | String(<45) | Facepicture.id | 识别图片id |
| resultPictureId |  | String(<45) | Facepicture.id | 对应图片id |

Socket发送:calresultid, operateType, picturedata,picturegroup。

e.g.：{

"calresultid": "123456",

"operateType": "1:n",

"picturedata": {

"facepictureid": "0",

"data": "base64encode"

},

"picturegroup": [{

"facepictureid": "1",

"data": "base64encode2"

}, {

"facepictureid": "2",

"data": "base64encode3"

}]

}

## 公安验证

Webapi：http://localhost:8080/web/f/appApi/send/public\_security\_verification

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| key | Value(sample) | type | database | 中文 |
| calresultId |  | String (<45) | Calresult.id | 操作id |
| finishTime | YYYY-MM-DD HH:MM:SS | DATETIME | Calresut.finishTime | 操作结束时间 |
| operateType | public\_security\_verification | String(<45) | Calresult.operateType | 操作类型 |
| result | success/fail/operating | String(<45) | Calresult.result | 操作结果 |
| facePictureId |  | String(<45) | Facepicture.id | 识别图片id |
| resultPictureId |  | String(<45) | public\_security\_verification.id | 对应身份证图片公安验证库id |

Socket发送: calresultid, operateType, picturedata, public\_security\_verificationData

e.g.：{

"calresultid": "123456",

"operateType": "public\_security\_verification",

"picturedata": {

"facepictureid": "0",

"data": "base64encode"

},

"public\_security\_verificationData": {

"public\_security\_verificationID": 1",

"data": "base64encode1"

}

}

## 活体检测

Webapi：http://localhost:8080/web/f/appApi/send/ biopsy

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| key | Value(sample) | type | database | 中文 |
| calresultId |  | String (<45) | Calresult.id | 操作id |
| finishTime | YYYY-MM-DD HH:MM:SS | DATETIME | Calresut.finishTime | 操作结束时间 |
| operateType | biopsy | String(<45) | Calresult.operateType | 操作类型 |
| result | success/fail/operating | String(<45) | Calresult.result | 操作结果 |
| Facepictureid |  | String(<45) | Facepicture.id | 识别图片id |
| Context | living/notlive | String(<45) |  | 是否是活体 |

Socket发送: calresultid, operateType, picturedata

e.g.：{

"calresultid": "123456",

"operateType": "biopsy",

"picturedata": {

"facepictureid": "0",

"data": "base64encode"

},

}

## 人脸属性测试

Webapi：http://localhost:8080/web/f/appApi/send/ facecharactercheck

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| key | Value(sample) | type | database | 中文 |
| calresultId |  | String (<45) | Calresult.id | 操作id |
| finishTime | YYYY-MM-DD HH:MM:SS | DATETIME | Calresut.finishTime | 操作结束时间 |
| operateType | facecharactercheck | String(<45) | Calresult.operateType | 操作类型 |
| result | success/fail/operating | String(<45) | Calresult.result | 操作结果 |
| Facepictureid |  | String(<45) | Facepicture.id | 识别图片id |
| age | 14 | Int |  | 推测年龄 |
| expression | 生气/厌恶/害怕/高兴/难过/惊喜/中性 | String |  | 表情 |
| gender | male/female | String |  | 性别 |
| glasses | 有眼镜/无眼镜/太阳镜 | String |  | 眼镜 |
| race | Yellow/white/black/indian |  |  |  |
| threshold |  | Int |  | 阈值 |
| feature |  | Byte[512] |  | 特征 |
| 下图为 | Faceinfo | 中数据 |  |  |
|  | | | | |

Socket发送: calresultid, operateType, picturedata, picturegroup

e.g.：{

"calresultid": "123456",

"operateType": "facecharactercheck",

"picturedata": {

"facepictureid": "0",

"data": "base64encode"

},

}

## 视频流人脸检测

视频流人脸检测，搜索视频中出现的人脸，并和人脸数据库中的数据进行比对，返回和数据库中最相似的faceinfoid

Webapi：http://localhost:8080/web/f/appApi/send/ videofacecheck

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| key | Value(sample) | type | database | 中文 |
| calresultId |  | String (<45) | Calresult.id | 操作id |
| finishTime | YYYY-MM-DD HH:MM:SS | DATETIME | Calresut.finishTime | 操作结束时间 |
| operateType | videofacecheck | String(<45) | Calresult.operateType | 操作类型 |
| result | success/fail/operating | String(<45) | Calresult.result | 操作结果 |
| checkresult | Matchsuccess/matchfail |  |  | 匹配成功/匹配失败 |
| uri |  |  |  | 视频资源定位符 |
| resultfaceinfoid |  | 匹配失败时为空 | Faceinfo.id | 最相似的faceinfoid |

Socket发送: calresultid, operateType, video\_uri

e.g.：{

"calresultid": "123456",

"operateType": "videofacecheck",

"video\_uri":”xxxxxxxx”

}