

Tianrang OCR of international trade documents API

- Technical support: ocr-service@tianrang-inc.com

No.1 Sea Waybill (海运提单)

一、Summary

1. Function description

It supports character recognition of key information on ocean bills of lading, including ship, confirm, notify party, place of receipt, port of loading, port of discharge, place of delivery, vessel, VOYAGE NO, carrier and other fields

2. Data requirements

- Format: Base64 encoding
- Type: JPG / jpeg / PNG
- Size: ≤ 5M

二、Request description

1. URL:

- <https://ts.tianrang.com/public/api/yitu/ai/41?appkey=aabbccddeeffgg&tamp=1&nonce=1&signature=1>
- Contact us for a valid appkey: ocr-service@tianrang-inc.com

2. Method

- POST

3. Request parameter

(1) Query

Name	Type	Examples
appkey	string	aabbccddeeffgg
timestamp	string	1
nonce	string	1
signature	string	1

(2) Header

Name	Type	Required	Examples	Describe
Content-Type	String	false	application/json	json格式

(3) Body

```
{"media_id": "picture of Base64 coding value, because it is too long,so no example is given"}
```

三、Return description

1. Return parameter

Name		Examples	Describe
code	int	0	status code
requestId	string	98a39e53-84d4-448e-9081-29f64a6cd984	request Id
message	string	success	Return message
data	object	{...}	data

1. data字段说明

Name	Type	示例值	Describe
bol_shipper	string		shipper
bol_consignee	string		consignee
bol_notify_party	string		notify_party
bol_place_of_receipt	string		place_of_receipt
bol_port_of_loading	string		port_of_loading
bol_port_of_discharge	string		port_of_discharge
bol_place_of_delivery	string		place_of_delivery
bol_vessel	string		vessel
bol_voyage_no	string		voyage_no
bol_carrier	string		carrier

2. Code

Error code	Message	Describe
0	success	成功
1000	body error	请求主体错误
1001	param error	请求参数错误
1002	content type error	Content-Type错误
1003	image not exist	没有找到图片文件
1004	image size error	图片大小错误
1005	image format error	图片类型错误
1006	invalid signature	无效的签名
1007	body size error	body大小错误
1008	no authorization	没有认证权限
2000	server unknown error	服务端未知错误
2001	server timeout	服务端超时
3000	remote server error	服务端远程服务错误
4000	base server error	基础服务错误

2. Return example

```
{
  "code": 0,
  "data":
  {
    "bol_shipper":
    "QANA_HOLDINGS__GROUP_CO.,_LIMITED3/F,BUILDING_E,JINBOLONG_INDUSTRI-
    AL_PARK,QINGQUAN_ROAD,SHENZHEN GUANGDONG,_CHINA",
    "bol_consignee": "TO_THE_ORDER_OF_BANQUE_SAUDI_FRANSI,JEDDAH",
    "bol_notify_party":
    "UNITED_EDDY_CO._LTDP.O.BOX_453,JEDDAH_21411,SAUDI_ARABIA._TEL:+96612663
    3888FAX:+966126606362",
    "bol_place_of_delivery": "JEDDAH,_SAUDI_ARABIA",
```

```
        "bol_place_of_receipt": "SHEKOU,_SHENZHEN,CHINA",
        "bol_port_of_discharge": "JEDDAH,_SAUDI_ARABIA",
        "bol_port_of_loading": "SHEKOU,_SHENZHEN,CHINA",
        "bol_vessel": "COSCO_PACIFIC_0271W",
        "bol_voyage_no": "0271W"
    },
    "message": "success",
    "requestId": "ff37304bfc4902b1ca1f92b4a9fd980d"
}
```

Python – Call example

```
import requests
import json
import base64

url = "https://ts.tianrang.com/public/api/yitu/ai/41?
appkey=aabbccddeeffgg&timestamp=1&nonce=1&signature=1"

with open(r"xx.jpg", "rb") as f:
    b64data = base64.b64encode(f.read()).decode()

payload = json.dumps({
    "media_id": b64data
})
headers = {
    'Content-Type': 'application/json'
}

response = requests.request("POST", url, headers=headers, data=payload)

print(response.text)
```