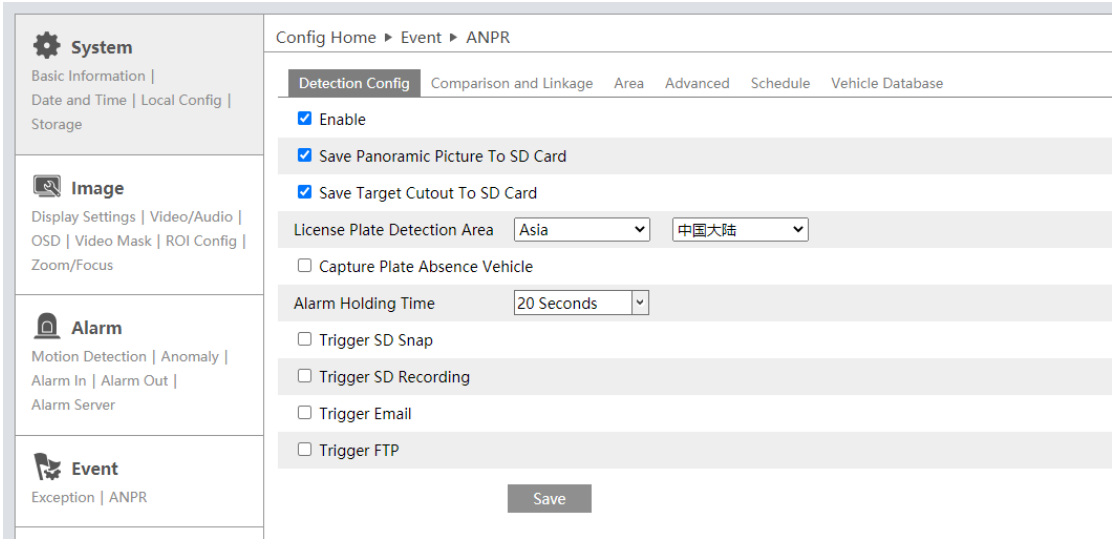
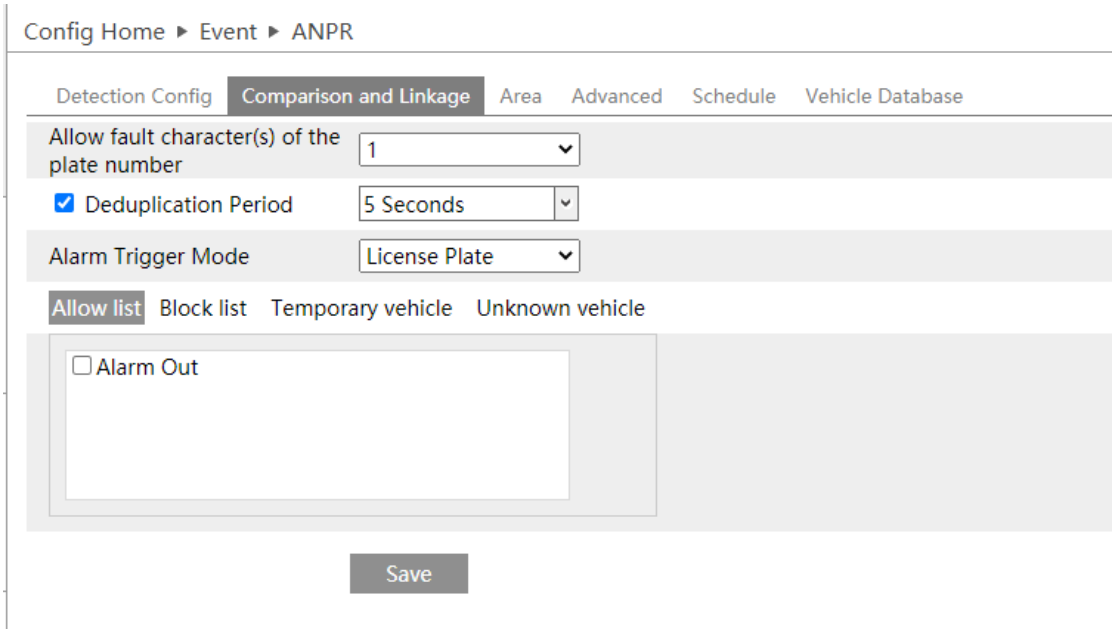
How to get plate information through API

1. Enable ANPR Function

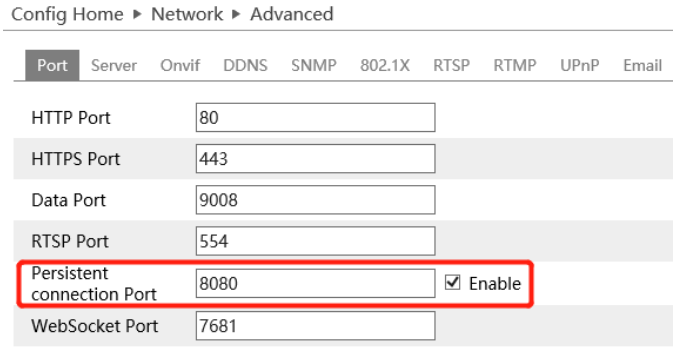
Enable IPC's ANPR function and configure as below:





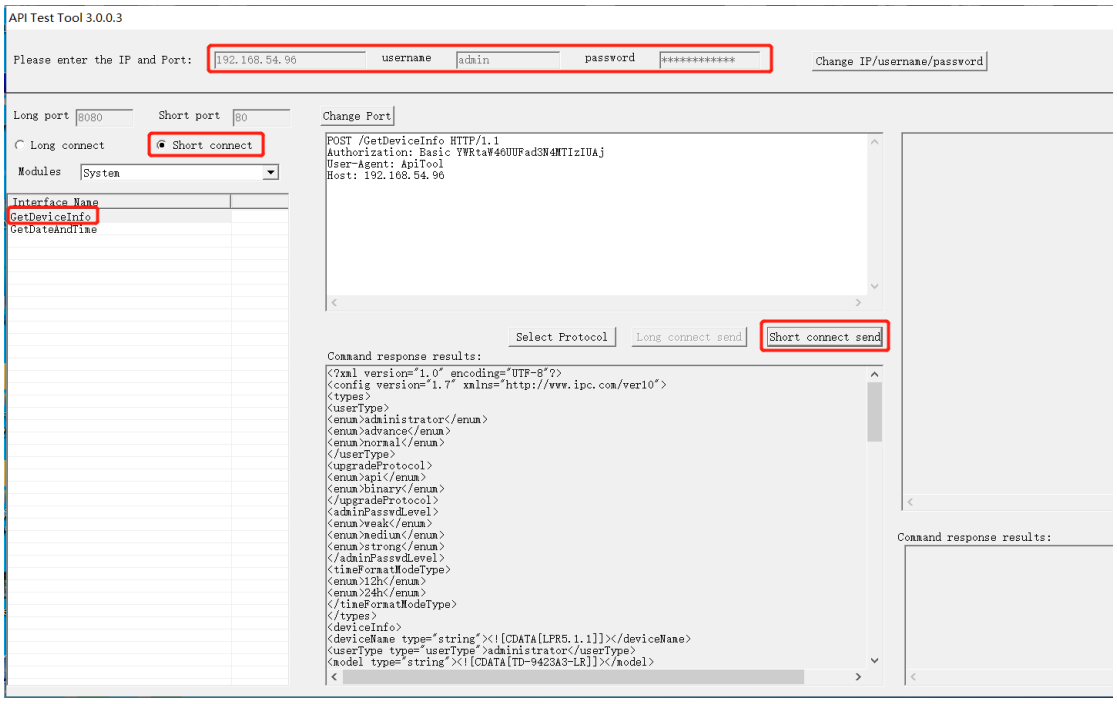
2. Check the Long Connect Port Configuration

Check the long connect port and make sure it's enabled.



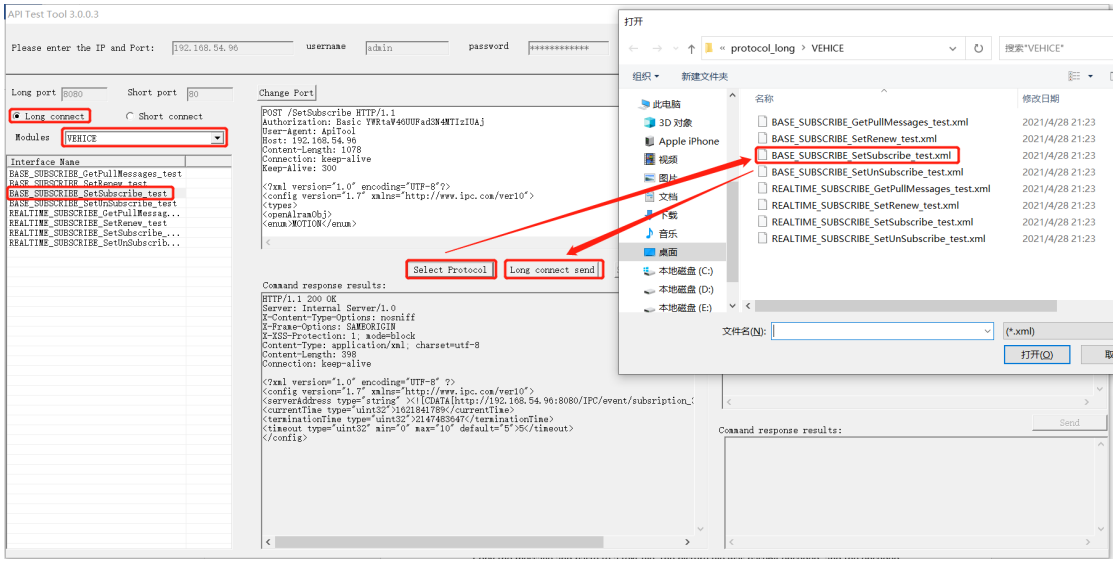
3. Test API connection

Send short connect command, for example getdeviceinfo, to test API connection.



4. Set Subscribe through Long Connect

Set subscribe through long connect and once IPC recognizes license plate, API will get the subscribe information.



5. Check the API Log

When API gets the subscribe information, it will be recorded in the API log.

Command response results:

```
POST /SendAlarmStatus HTTP/1.1
Host: 192.168.54.96
Content-Length:514
Content-Type:application/xml; charset=utf-8
Connection: keep-alive

<?xml version="1.0" encoding="UTF-8" ?>
<config version="1.7" xmlns="http://www.ipc.com/ver10">
<alarmStatusInfo>
<vehiceAlarm type="boolean" id="1">true</vehiceAlarm>
</alarmStatusInfo>
<dataTime><![CDATA[2021-05-24 15:50:14]]></dataTime>
<deviceInfo>
<deviceName><![CDATA[LPR5.1.1]]></deviceName>
<deviceNo.><![CDATA[1]]></deviceNo.>
<sn><![CDATA[I75B8055949N]]></sn>
<ipAddress><![CDATA[192.168.226.201]]></ipAddress>
<macAddress><![CDATA[00:18:ae:b5:75:b8]]></macAddress>
</deviceInfo>
</config>
```

6. Restore the Encoded Data to Picture

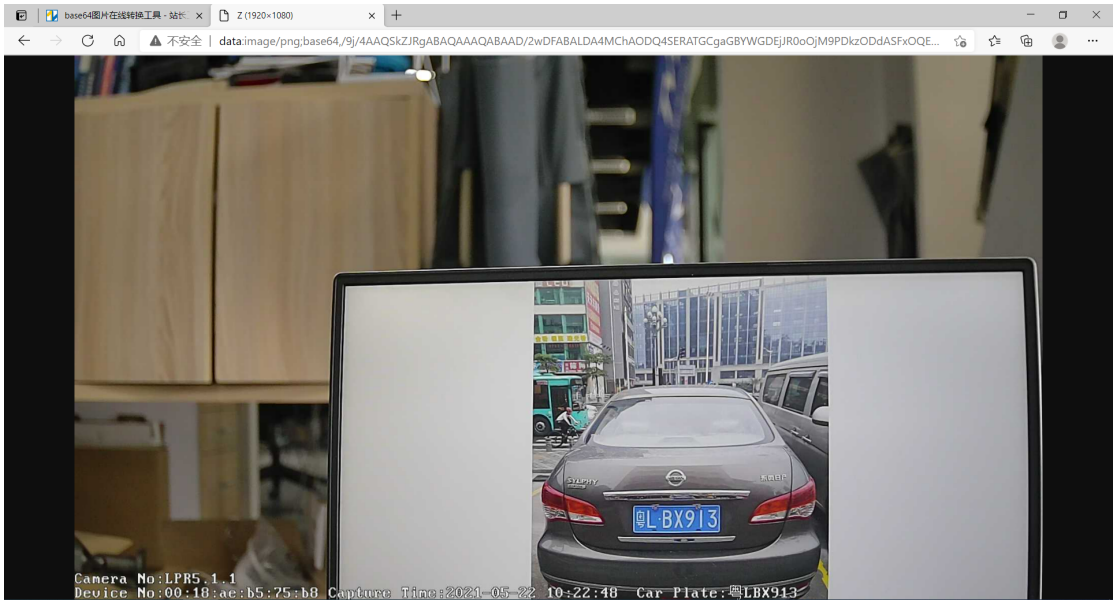
The picture file was base64 encoded, and the encoded data is included in []:

```
<targetBase64Data type="string"><![CDATA[/9j/4AAQSkZJRgABAQAAAQABAAD/2wDFABALDA4MChAODQ4SERATGCgaGB
ODdASFxOQERXRTc4UG1RV19iZ2hnPk1xeXBkeFxlZ2MBERISGBUYLxoaL2NCOEJjY2NjY2NjY2Nj
Y2NjY2NjY2NjY2NjY2NjY2NjY2NjY2NjY2NjY2NjY2NjY2NjYwIREhIYFRgvGhovY0I4QmNj
Y2NjY2NjY2NjY2NjY2NjY2NjY2NjY2NjY2NjY2NjY2NjY2NjY2NjY2Nj/8AAEQgEOAeA
AwEiAAIRAQMRAv/EAaIAAAEFAQEBAQEBAAAAAAAAAAAABAgMEBQYHCAkKCxAAAgEDAwIEAwUFBAQA
AAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3
ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWm
p6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6AQADAQEB
AQEBAQEBAAAAAAAAAQIDBAUGBwgJCgsRAAIBAgQEAwQHBQQEAAECdwABAgMRBAUhMQYSQVEHYXET
IjKBCBRCkaGxwQkjM1LwFWJy0QoWJDThJfEXGBkaJicoKSo1Njc4OTpDREVGR0hJSlNUVVZXWFla
Y2RlZmdoaWpzdHV2d3h5eoKDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXG
...
1A/9+o//AImsypP4PxoAri1iVcPtK+9aVprc+nWy20GovFCmdqLGhxkk91J6ms+f7tZ8/wDrR9KY
G9deIrm7h8mW6mnjJUlGRFBwQR0XPUCqsOtX1pNI+nlbXzQA4VFIbGcHkdeTWZH0FTCgZqT6lrur
Wj2zzPPC+NyiJFBwQeuB3FVoNIdTm5TYP7o6mtfw9/qfzqxe/wCsFSxmfEiKvlwx7F+lKYmVumaf
F981NJ1FF9RtFYxyMoIXrSGJgAdvHera/wCrWmt9w/WgRUGBQOM7cjNHrTh0FMRLpyk67YHsJMmu
ob7xrmtO/wCQxZ/79dK3U0AJRRRTAKKKSmAUUUdqACiijtSAKSl7UhpiCikpaBhSUtJSEFJRRQMK
KU0lMBKKKKACiikoAKKBRQAlFFFIQlFFFMYUlLSUhBRRQaYxKKKACiiiklSiiigApKKKBhRQaKY
BRRR2pCEooooGJSp98UhpU++KAOK1051+6+o/kKq9qs65/yHrr/eH8hVY0AMPWuos+PAGpe8gH6r
XLnrXT2v/lgaj/10H81pAf/Z]]></targetBase64Data>
```

We can test base64 encoding on website, and the encoded data starts with ‘’

*请上传小于300KB的.jpg/.jpeg/.gif/.bmp/.png/.ico格式图片，不建议将大图转换。

Copy the ‘’ and encoded data captured from API log, and paste to browser address bar, we can restore the encoded data to picture.



We can also get the small size picture which contains license plate only.