

# Ceiba2 API Integration Basic Process

1. All the following steps need the device to be online
2. You can use the ceiba client to check the device's online status and the device's Serial No.
3. You can use the web ceiba to check if the API work normally if you received an error

## Basic info

1. Device Serial No. 0089000EFD
2. Server address <http://IP:12056/> (IP and Port is the web ceiba used, the default port is 12056)
3. Login Username: username (Ceiba client login username)
4. Login password: password (Ceiba client login password)
5. KEY zT908g2j9ng4xe0Nr2n1hbSblgS24wXjZV3o9wsVfNq0q3nEdl%2Fw%3D%3D (This key is a sample, do not use it in your code)
6. Demo url: <http://IP:12056/h5demo/index.html> (Visible after login)
7. API help url <http://IP:12056/help/api/default.html> (Visible after login)

## LiveView

### 1. Get key

Request URL:

```
http://IP:12056/api/v1/basic/key?username=username&password=password
```

Return:

```
{"data":{"key":"zT908g2j9ng4xe0Nr2n1hbSblgS24wXjZV3o9wsVfNq0q3nEdl%2Fw%3D%3D"}, "errorcode":200}
```

### 2. Get LiveView port

Request URL:

```
http://IP:12056/api/v1/basic/live/port?key=zT908g2j9ng4xe0Nr2n1hbSblgS24wXjZV3o9wsVfNq0q3nEdl%2Fw%3D%3D
```

Return:

```
{"data":[{"port":12060}, {"port":12061}, {"port":12062}, {"port":12063}], "error
```

```
code":200}
```

### 3. Get **LiveView** URL

Request URL:

```
http://IP:12056/api/v1/basic/live/video?key=zT908g2j9ng4xe0Nr2n1hbSblgS24wXjZV3o9wsVfNq0q3nEdl%2Fw%3D%3D&terid=0089000EFD&chl=1&audio=1&st=0&port=12060&dt=mdvr
```

Return:

```
{"data":{"url":"http://IP:12060/live.flv?devid=0089000EFD&chl=1&st=0&isaudio=1&dt=mdvr"},"errorcode":200}\\
```

### 4. Open the **LiveView**

Open the demo player, or VLC player, or any other video player which can support playing streaming and input the above LiveView URL to open the LiveView;

## Playback

### 1. Search the record list

Request URL:

```
http://IP:12056/api/v1/basic/record/filelist?key=zT908g2j9ng4xe0Nr2n1hbSblgS24wXjZV3o9wsVfNq0q3nEdl%2Fw%3D%3D&terid=00880038EE&starttime=2019-04-18%2000:00:00&endtime=2019-04-19%2023:59:59&chl=1,2,3,4&ft=0&st=1
```

Return:

```
{"data":[{"name":"0-58-0","filetype":1,"chn":2,"starttime":"2019-04-18 00:14:42","endtime":"2019-04-18 00:14:42"}, {"name":"0-58-1","filetype":1,"chn":2,"starttime":"2019-04-18 00:14:42","endtime":"2019-04-18 00:14:48"}, {"name":"0-60-0","filetype":1,"chn":3,"starttime":"2019-04-18 00:14:42","endtime":"2019-04-18 00:14:48"}, {"name":"0-61-0","filetype":1,"chn":4,"starttime":"2019-04-18 00:14:42","endtime":"2019-04-18 00:14:48"}, {"name":"0-63-0","filetype":1,"chn":1,"starttime":"2019-04-18 00:14:42","endtime":"2019-04-18 00:14:48"}], "errorcode":200}
```

### 2. Get the playback URL

Request URL:

```
http://IP:12056/api/v1/basic/record/video?key=zT908g2j9ng4xe0Nr2n1hbSblgS24w
```

```
XjZV3o9wsVfNq0q3nEdl%2Fw%3D%3D&terid=00880038EE&starttime=2019-04-18%2000:14:42&endtime=2019-04-18%2000:14:48&chl=1
```

Return:

```
{"data":{"url":"http://IP:8090/play/00880038EE/1/20190418001442_20190418001448_main.m3u8"},"errorcode":200}
```

### 3. Playback

Open the demo player, or VLC player, or any other video player which can support playing streaming and input the above Playback URL to open the Playback;

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