千里眼IVS REST API介面規格書

中華電信數據分公司

中華民國一百零七年十月製作

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1.簡介

若要使用千里眼API，必須先為中華電信千里眼的客戶(須臨櫃遞單申請)。

中華電信千里眼官網: <https://vrs.hinet.net/>

千里眼服務專線:0800-080-250 #2

千里眼申請流程:



2. /api/v1/token/getauth取得驗證token

|  |  |
| --- | --- |
| URI | https://<vrsweb>/api/v1/token/getauth |
| HTTP Method | **POST** |
| Query String Parameter |  |
| Request Header | { "key":"IKK87YYHUoer99BVC"} |
| Content-Type | application/json |
| Request Body | { "account":"apitest", "pwd":"testtest"} |
| Response Header |  |
| Response Body | {"date":"2012/09/25 11:21:20","token":"772bca00916283cfae36"} |

Request欄位說明

|  |  |  |
| --- | --- | --- |
| 變數名稱 | 類型 | 說明 |
| key | string | 配發給該客戶的金鑰 |
| account | string | 用戶帳號 |
| pwd | string | 用戶密碼 |

Response 欄位說明

|  |  |  |
| --- | --- | --- |
| 變數名稱 | 類型 | 說明 |
| date | string | 認證的回傳時間 |
| token | string | (1)登入驗證成功後的一次性授權碼。(2)後續api皆需要使用此token |

3. /api/v1/cam/live取得即時影像撥放清單

|  |  |
| --- | --- |
| URI | https://<vrsweb>/api/v1/cam/live |
| HTTP Method | **POST** |
| Query String Parameter |  |
| Request Header | { "Authorization":"Bearer token"} |
| Content-Type | application/json |
| Request Body | {"camList":["7397408101", "7413056501"],"streamType":"rtsp"} |
| Response Header |  |
| Response Body | {"urlToken":"aadfkj65chhgtytw98","liveList":[ {"camId":"7397408101","status":"連線","url":"rtsp://61.219.8.25:80/live/1522686359-1522686275-fa02-ab875d161a756c0091ea50ef094cad51-fa02/cam7397408101.sdp" }, { "camId":"7413056501","status":"連線","url":"rtsp://61.219.8.25:80/live/1522686359-1522686275-fa02-ab875d161a756c0091ea50ef094cad51-fa02/cam7413056501.sdp"} ]} |
|  |  |

Request欄位說明

|  |  |  |
| --- | --- | --- |
| 變數名稱 | 類型 | 說明 |
| token | String | getauth驗證成功後的授權碼 |
| camList | Array | 攝影機device id陣列 |
| streamType | String | 串流類型:rtsp/rtmp/hls |

Response欄位說明

|  |  |  |
| --- | --- | --- |
| 變數名稱 | 類型 | 說明 |
| urlToken | String | 維持連結時效性之token，使用於keep alive API |
| liveList | array | liveList物件陣列 |

liveList物件

|  |  |  |
| --- | --- | --- |
| 變數名稱 | 類型 | 說明 |
| camId | string | 攝影機代碼 |
| status | string | 攝影機狀態 (連線 / 斷線 / 藍片) |
| url | string | 即時影像串流URL |

4. /api/v1/cam/history-file取得歷史影像檔案清單資訊

|  |  |
| --- | --- |
| URI | https://<vrsweb>/api/v1/cam/history-file |
| HTTP Method | **POST** |
| Query String Parameter |  |
| Request Header | { "Authorization":"Bearer token"} |
| Content-Type | application/json |
| Request Body | { "camId":"7397408101","filmDate":"20111203","startTime":"0500","endTime":"0615"} |
| Response Header |  |
| Response Body | {"urlToken":"aadfkj65chhgtytw98"," filmList":[ { "fileName":"050000.mp4","url":"http://61.219.8.26:8080/playback/1324391446-1324390861-beta-1c76ce12ab4f1c7dda6c63bd3ac64067-beta/14.10.2.215/disk1/cam7397408101/20111203/050000.mp4" }, { "fileName":"060000.mp4","url":"http://61.219.8.26:8080/playback/1324391446-1324390861-beta-1c76ce12ab4f1c7dda6c63bd3ac64067-beta/14.10.2.215/disk1/cam7397408101/20111203/060000.mp4",}]} |

Request欄位說明

|  |  |  |
| --- | --- | --- |
| 變數名稱 | 類型 | 說明 |
| token | string | getauth驗證成功後的授權碼 |
| camId | string | 攝影機device id |
| filmDate | string | 字串；不可為空;例：20111203 |
| startTime | string | 搜尋起始時間字串；不可為空;例：0350,表示為03時50分 |
| endTime | string | 搜尋結束時間字串；不可為空;例：0350,表示為03時50分 |

Response 欄位說明

|  |  |  |
| --- | --- | --- |
| 變數名稱 | 類型 | 說明 |
| urlToken | string | 維持連結時效性之token ，使用於keep alive API |
| filmList | array |  |

filmList物件

|  |  |  |
| --- | --- | --- |
| 變數名稱 | 類型 | 說明 |
| fileName | string | 錄影檔影像名稱 |
| url | string | 錄影檔影像串流URL |

5. /api/v1/cam/status取得設備狀態

|  |  |
| --- | --- |
| URI | https://<vrsweb>/api/v1/cam/status |
| HTTP Method | **POST** |
| Query String Parameter |  |
| Request Header | { "Authorization":"Bearer token"} |
| Content-Type | application/json |
| Request Body | { "camList":["7397408101", "7413056501"]} |
| Response Header |  |
| Response Body | {"camInfo":[ { "camID":"7397408101","status":"連線" }, { "camID":"7413056501","status":"斷線"}]} |

Request欄位說明

|  |  |  |
| --- | --- | --- |
| 變數名稱 | 類型 | 說明 |
| token | string | getauth驗證成功後的授權碼 |
| camList | array |  |

Response 欄位說明

|  |  |  |
| --- | --- | --- |
| 變數名稱 | 類型 | 說明 |
| camInfo | array | camInfo物件陣列 |

camInfo物件

|  |  |  |
| --- | --- | --- |
| 變數名稱 | 類型 | 說明 |
| camId | string | 攝影機device id |
| status | string | 攝影機狀態 (連線 / 斷線 / 藍片) |

6. /api/v1/cam/keep-url-alive維持影像連結時效

|  |  |
| --- | --- |
| URI | https://<vrsweb>/api/v1/cam/keep-url-alive |
| HTTP Method | **POST** |
| Query String Parameter |  |
| Request Header | { "Authorization":"Bearer token"} |
| Content-Type | application/json |
| Request Body | { "urlTokenList":["adsji5ofjisj66dfisd","s32jjfejsiofiosjifj8sjif"]} |
| Response Header |  |
| Response Body | {} |

Request欄位說明

|  |  |  |
| --- | --- | --- |
| 變數名稱 | 類型 | 說明 |
| token | string | getauth驗證成功後的授權碼 |
| urlTokenList | array | urlToken陣列 |

Response 欄位說明

|  |  |  |
| --- | --- | --- |
| 變數名稱 | 類型 | 說明 |

7. /api/v1/cam/snapshot取得攝影機snpashot

|  |  |
| --- | --- |
| URI | https://<vrsweb>/api/v1/cam/snapshot |
| HTTP Method | **POST** |
| Query String Parameter |  |
| Request Header | { "Authorization":"Bearer token"} |
| Content-Type | application/json |
| Request Body | {" camId ":"1125365401"} |
| Response Header |  |
| Response Body | {"image":"asjfioiioiiiyyy766fkj65chhgtytw98"} |

Request欄位說明

|  |  |  |
| --- | --- | --- |
| 變數名稱 | 類型 | 說明 |
| token | string | getauth驗證成功後的授權碼 |
| camId | string | 攝影機ID |

Response 欄位說明

|  |  |  |
| --- | --- | --- |
| 變數名稱 | 類型 | 說明 |
| image | string | Jpg binary data經過BASE64編碼 |

8. 附錄一 : Error Code

|  |  |
| --- | --- |
| HTTP Status Code  | Message |
| 400 BadRequest | Parameter error |
| 401 Unauthorized | Token is Expired |
| 404 Not Found | Not found |