IOS VSNet 库使用说明

1.初化库

1) XCODE: Enable Bitcode yes 改为 no

Enable Testability yes 改为 no

2) 依赖库

▼ Linked Frameworks and Libraries

Name	Status
libbz2.tbd	Required 🗘
libiconv.tbd	Required 🗘
libz.tbd	Required 🗘
libc++.tbd	Required 🗘
AVFoundation.framework	Required 🗘
OpenGLES.framework	Required 🗘
<u></u> libvsNet.a	Required 🔾

注意: XCode10 以上需要把依赖库 libstbc++.tbd 替换成 libc++.tbd.

3) 初始化库

```
- (BOOL)application:(UIApplication *)application didFinishLaunchingWithOptions:(NSDictionary *)launchOptions {
    // Override point for customization after application launch.
    [[VSNet shareinstance] PPPP_Initialize];
    [[VSNet shareinstance] XQP2P_NetworkDetect];
    [[VSNet shareinstance] XQP2P_Initialize];
    return YES;
}
```

2.设备管理

1) 连接设备

Vuid 和 uid 的区别 (特别注意)

中间数字大于 6 位(不做上限限制),且整串的头部和尾部均带字母的(只是带字母即可,不做位数判断),即为 VUID,否则为 uid,不同的 id 使用不同的连接函数。

判断 **uid** 是否是 VUID 通过-(BOOL) IsVUID:(NSString*) strID;接口

如果非 vuid, 就调下面方法

```
int | nRet = [[VSNet shareinstance] start:strDID withUser:@"admin" withPassWord:strPWD initializeStr:nil LanSearch:1];
if (nRet == 0) {
    //连接不成功,3秒后再试一次
    dispatch_after(dispatch_time(DISPATCH_TIME_NOW, (int64_t)(3 * NSEC_PER_SEC)), dispatch_get_main_queue(), ^{
        [[VSNet shareinstance] start:strDID withUser:@"admin" withPassWord:strPWD initializeStr:nil LanSearch:1];
        [[VSNet shareinstance] setStatusDelegate:strDID withDelegate:self];//设置代理接收设备状态
        [[VSNet shareinstance] setControlDelegate:strDID withDelegate:self];//设置代理接收所发指令设备回复
    });
}
else{
    [[VSNet shareinstance] setStatusDelegate:strDID withDelegate:self];
    [[VSNet shareinstance] setControlDelegate:strDID withDelegate:self];
}
```

如果是 vuid, 就调下面的 StartVUID 方法开始连接

2) 断开连接

[[VSNet shareinstance] stop:strDID];

3) uid 连接状态接收

```
#pragma mark VSNetStatueProtocol
- (void) VSNetStatus: (NSString*) deviceIdentity statusType:(NSInteger) statusType status:(NSInteger) status
{
    NSLog(@"PPPPStatus ..... strDID: %@, statusType: <u>%ld</u>, status: %ld", deviceIdentity, <u>statusType</u>, status);
    if (statusType == MSG_NOTIFY_TYPE_PPPP_STATUS) {
        //如果是ID号无效,则停止该设备的P2P
        if (status == PPPP_STATUS_INVALID_ID
            || status == PPPP_STATUS_CONNECT_TIMEOUT
            || status == PPPP_STATUS_DEVICE_NOT_ON_LINE
            || status == PPPP_STATUS_CONNECT_FAILED
            || status == PPPP_STATUS_INVALID_USER_PWD)
        {
            NSLog(@"设备连接失败");
        }
        else if(PPPP_STATUS_ON_LINE == status){
            NSLog(@"设备在线");
        else if(PPPP_STATUS_CONNECTING == status){
            NSLog(@"连接中...");
        else if(PPPP_STATUS_INITIALING == status){
            NSLog(@"正在初化");
        return;
}
```

VUID 连接过程中的状态返回

4) 设备密码管理

(4.1) 重置设备密码

```
NSString *cmdStr = [NSString stringWithFormat:@"set_users.cgi?&user1=%@&user2=%@&user3=%@&pwd1=%@&pwd2=%@&pwd3=%@&", @"", @"", @"", @"", @"dmin", @"", @"", m_strPwd];
[[VSNet shareinstance] sendCgiCommand:cmdStr withIdentity:m_strDID];
```

(4.2) 重置设备密码返回

```
- (void) VSNetControl: (NSString*) deviceIdentity commandType:(NSInteger) comType buffer:(NSString*)retString length:(int)length charBuffer:(char *)buffer

{
    NSLog(@"UserPwdSetViewController VSNet返回数据 UID:%@ comtype %ld",deviceIdentity,(long)comType);
    if (comType == CGI_IESET_USER && [deviceIdentity isEqualToString:m_strDID]) {
        NSInteger result = [[APICommon stringAnalysisWithFormatStr:@"result=" AndRetString:retString] integerValue];
        if (result == 0) {
            [[VSNet shareinstance] sendCgiCommand:@"reboot.cgi?" withIdentity:m_strDID];
            [self EditP2PCameraInfo:NO Name:self.cameraName DID:self.m_strDID User:@"admin" Pwd:self.m_strPwd OldDID:self.m_strDID];
        }
    else{
            NSLog(@"修改密码失败");
    }
```

5) 设备 wifi 管理

(5.1) 获取当前设备 WIFI

```
[[VSNet shareinstance] sendCgiCommand:@"get_params.cgi?"withIdentity:self.m_strDID];
```

(5.2)获取当前设备 WIFI 返回

(5.3) 获取设备 WIFI 列表

```
[[VSNet shareinstance] sendCgiCommand:@"wifi_scan.cgi?"
withIdentity:self.m_strDID];
[[VSNet shareinstance] setControlDelegate:self.m_strDID withDelegate:self];
```

(5.4)获取设备 WIFI 列表返回

```
charBuffer:(char *)buffer
      NSLog(@"WifiSettingViewController: VSNet返回数据 UID:%0,comType:%ld",deviceIdentity,(long)comType); 2  Data argument not used by for
       NSString *string = [[NSString alloc] initWithCString:buffer encoding:NSUTF8StringEncoding];
      if ([deviceIdentity isEqualToString:m_strDID] && comType == CGI_IESET_WIFISCAN) {
                  if (string == nil) {
                            if (retString != nil) {
                                      string = retString;
                           } else {
                                      string = [NSString stringWithFormat:@"%s",buffer];
                 NSLog(@"无线wifi返回数据: \nUID = %0,类型 = %ld,buff = %@",deviceIdentity,(long)comType,string);
                 NSInteger result = [[NSString subValueByKeyString:@"result=" fromRetString:string] integerValue];
                 if (result != 0) {
                           NSLog(@"数据异常!");
                           return;
(5.5) 设置设备 WIFI
  NSString *cmd = [NSString stringWithFormat:@"set_wifi.cgi?
            enable=1&ssid=%@&encrypt=0&defkey=0&key1=%s&key2=&key3=&key4=&authtype=%d&keyformat=0&key1_bits=0&key2_bits=0&key3_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4_bits=0&key4
            s=0&channel=%d&mode=0&wpa_psk=%s&",m_strSSID,pkey,m_security,m_channel,pwpa_psk];
  NSString *sendSSID = [cmd stringByAddingPercentEscapesUsingEncoding:NSUTF8StringEncoding];
  [[VSNet shareinstance] sendCgiCommand:sendSSID withIdentity:m_strDID];
  [[VSNet shareinstance] setControlDelegate:m_strDID withDelegate:self];
```

- (void) VSNetControl: (NSString*) deviceIdentity commandType:(NSInteger) comType buffer:(NSString*)retString length:(int)length

6) 设备固件升级

```
NSLog(@"%@=+++%@",self.firmware_server,self.firmware_file);
NSString *cmd = [NSString stringWithFormat:@"auto_download_file.cgi?
server=%@&file=%@&type=%d&resevered1=&resevered2=&resevered4=&",self.firmware_server,self.firmware_file,0];
[[VSNet shareinstance] sendCgiCommand:cmd withIdentity:self.str_uid];
```

7) 重启设备

[[VSNet shareinstance] sendCgiCommand:@"reboot.cgi?" withIdentity:strUID];

- 8) 设备参数
 - (8.1) 获取设备参数

```
90
91 [[VSNet shareinstance] setControlDelegate:m_strDID withDelegate:self];
92 [[VSNet shareinstance] sendCgiCommand:@"get_params.cgi?" withIdentity:m_strDID];
```

(8.2) 获取设备参数返回

9) 设备报警

(9.1) 获取报警参数

```
[[VSNet shareinstance] setControlDelegate:m_strDID withDelegate:self];
[[VSNet shareinstance] sendCgiCommand:@"get_params.cgi?" withIdentity:m_strDID];
```

(9.2) 返回获取报警参数

(9.3) 设置报警参数

```
NSString *cmd = [NSString stringWithFormat:@"set_alarm.cgi?
enable_alarm_audio=%d&motion_armed=%d&motion_sensitivity=%d&input_armed=%d&ioin_level=%d&preset=%d&iolinkage=%d&ioout_level=%d&mai
l=%d&record=%d&upload_interval=%d&schedule_enable=1&schedule_sun_0=-1&schedule_sun_1=-1&schedule_sun_2=-1&schedule_mon_0=-1&schedule_mon_1=-1&schedule_mon_2=-1&schedule_tue_0=-1&schedule_tue_1=-1&schedule_tue_2=-1&schedule_wed_0=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_0=-1&schedule_mon_1=-1&schedule_wed_1=-1&schedule_wed_0=-1&schedule_mon_1=-1&schedule_wed_0=-1&schedule_mon_1=-1&schedule_wed_0=-1&schedule_mon_1=-1&schedule_wed_0=-1&schedule_mon_1=-1&schedule_wed_0=-1&schedule_mon_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&schedule_wed_1=-1&sch
```

10) 设备预置位

(10.1) 设置设备预置位 0

```
NSString *cgi = [NSString stringWithFormat:@"GET /decoder_control.cgi?command=%d&onestep=0&" ,CMD_PTZ_PREFAB_BIT_SET0]; [[VSNet shareinstance] sendCgiCommand:cgi withIdentity:_strDID];
```

(10.2) 设置设备预置位 1

```
NSString *cgi = [NSString stringWithFormat:@"GET /decoder_control.cgi?command=%d&onestep=0&" ,CMD_PTZ_PREFAB_BIT_SET1]; [[VSNet shareinstance] sendCgiCommand:cgi withIdentity:_strDID];
```

(10.3) 设置设备预置位 2

```
NSString *cgi = [NSString stringWithFormat:@"GET /decoder_control.cgi?command=%d&onestep=0&" ,CMD_PTZ_PREFAB_BIT_SET2];
[[VSNet shareinstance] sendCgiCommand:cgi withIdentity:_strDID];
```

(10.4) 设置设备预置位3

```
NSString *cgi = [NSString stringWithFormat:@"GET /decoder_control.cgi?command=%d&onestep=0&" ,CMD_PTZ_PREFAB_BIT_SET3]; [[VSNet shareinstance] sendCgiCommand:cgi withIdentity:_strDID];
```

(10.5) 设置设备预置位 4

```
NSString *cgi = [NSString stringWithFormat:@"GET /decoder_control.cgi?command=%d&onestep=%d&" ,CMD_PTZ_PREFAB_BIT_SET4,
    onestep];
[[VSNet shareinstance] sendCgiCommand:cgi withIdentity:_strDID];
```

(10.6) 调用设备预置位

```
switch (((UIButton*)sender).tag) {
    case 100:
        cgi = [NSString stringWithFormat:@"GET /decoder_control.cgi?command=%d&onestep=0&" ,CMD_PTZ_PREFAB_BIT_RUN0];
        break;
        case 101:
        cgi = [NSString stringWithFormat:@"GET /decoder_control.cgi?command=%d&onestep=0&" ,CMD_PTZ_PREFAB_BIT_RUN1];
        break;
        case 102:
        cgi = [NSString stringWithFormat:@"GET /decoder_control.cgi?command=%d&onestep=0&" ,CMD_PTZ_PREFAB_BIT_RUN2];
        break;
        case 103:
        cgi = [NSString stringWithFormat:@"GET /decoder_control.cgi?command=%d&onestep=0&" ,CMD_PTZ_PREFAB_BIT_RUN3];
        break;
       case 104:
        cgi = [NSString stringWithFormat:@"GET /decoder_control.cgi?command=%d&onestep=0&" ,CMD_PTZ_PREFAB_BIT_RUN4];
        break:
    default:
        break;
}
if (cgi) {
    [[VSNet shareinstance] sendCgiCommand:cgi withIdentity:_strDID];
3
```

11) 云台操作

(11.1) 上下巡航

```
- (IBAction) btnUpDown:(id)sender
         if (m bPtzTsUpDown) {
            int onestep = 0;
            NSString *cgi = [NSString stringWithFormat:@"GET /decoder_control.cgi?command=%d&onestep=%d&" ,CMD_PTZ_UP_DOWN_STOP, onestep];
            [[VSNet shareinstance] sendCgiCommand:cgi withIdentity:strDID];
            btnUpDown.style = UIBarButtonItemStyleBordered;
            [_upDownBtn setImage:_arrowUpDownImg forState:UIControlStateNormal];
         }else {
            int onestep = 0;
            NSString *cgi = [NSString stringWithFormat:@"GET /decoder_control.cgi?command=%d&onestep=%d&" ,CMD_PTZ_UP_DOWN, onestep];
            [[VSNet shareinstance] sendCgiCommand:cgi withIdentity:strDID];
             btnUpDown.style = UIBarButtonItemStyleDone;
            [_upDownBtn setImage:_arrowUpDownImgOn forState:UIControlStateNormal];
      (11.2) 左右巡航
     - (IBAction) btnLeftRight:(id)sender
         if (m_bPtzIsLeftRight) {
            int onestep = 0;
            NSString *cgi = [NSString stringWithFormat:@"GET /decoder_control.cgi?command=%d&onestep=%d&" ,CMD_PTZ_LEFT_RIGHT_STOP, onestep];
            [[VSNet shareinstance] sendCgiCommand:cgi withIdentity:strDID];
            btnLeftRight.style = UIBarButtonItemStyleBordered;
            [_leftRightBtn setImage:_arrowLeftRightImg forState:UIControlStateNormal];
         }else {
            int onestep = 0;
            NSString *cgi = [NSString stringWithFormat:@"GET /decoder_control.cgi?command=%d&onestep=%d&" ,CMD_PTZ_LEFT_RIGHT, onestep];
            [[VSNet shareinstance] sendCgiCommand:cgi withIdentity:strDID];
            btnLeftRight.style = UIBarButtonItemStyleDone;
            [_leftRightBtn setImage:_arrowLeftRightImgOn forState:UIControlStateNormal];
12) 图像传感器参数控制
    (12.1)翻转与镜像
       NSString *cmd = [NSString stringWithFormat:@"camera_control.cgi?param=5&value=%d&",value];
       [[VSNet shareinstance] sendCgiCommand:cmd withIdentity:strDID];
    (12.2)亮度
        int f = sliderBrightness.value;
     NSString *cmd = [NSString stringWithFormat:@"camera control.cgi?param=1&value=%d&",f];
        [[VSNet shareinstance] sendCgiCommand:cmd withIdentity:strDID];
    (12.3)对比度
      int f = sliderContrast.value;
      NSString *cmd = [NSString stringWithFormat:@"camera_control.cgi?param=2&value=%d&",f];
      [[VSNet shareinstance] sendCgiCommand:cmd withIdentity:strDID];
```

13) 设备截图

(13.1) 获取设备截图

```
NSString *did = [cameraDic objectForKey:@STR_DID];
[[VSNet shareinstance] setControlDelegate:did withDelegate:self];
[[VSNet shareinstance] sendCgiCommand:@"snapshot.cgi?res=1&" withIdentity:did];
```

(13.2) 获取设备截图返回

```
# pragma mark VSNetControlProtocol
- (void) VSNetControl: (NSString*) deviceIdentity commandType:(NSInteger) comType buffer:(NSString*)retString length:(int)length charBuffer:(char *)buffer

{
    NSLog(@"CameraViewController VSNet返回数据 UID:%@ comtype %ld",deviceIdentity,(long)comType);
    switch (comType) {
        case CGI_IESET_SNAPSHOT:
        {
            NSData *image = [[NSData alloc] initWithBytes:buffer length:length];
            [self SnapshotCallback:image UID:deviceIdentity];
            break;
        }
        default:
            break;
    }
```

3.预览视频

1)开启预览视频

```
- (IBAction)play:(id)sender
{
    [[VSNet shareinstance] startLivestream:strDID withStream:10 withSubStream:2];
    [[VSNet shareinstance] setDataDelegate:strDID withDelegate:self];//设置代理接收图像数据
```

2)开启预览视频

```
#pragma mark VSNetDataProtocol
- (void) VSNetYuvData: (NSString*) deviceIdentity data:(Byte *) buff withLen:(NSInteger)len
               height:(NSInteger)height width:(NSInteger)width time:(NSUInteger)timestame origenelLen:(NSInteger) oLen
    if ([deviceIdentity isEqualToString:strDID] == NO) {
       return;
    }
    if (myGLViewController) {
        SDL_VoutOverlay stOverlay;
       memset(&stOverlay, 0, sizeof(stOverlay));
       stOverlay.w = (int)width;
       stOverlay.h = (int)height;
        stOverlay.pitches[0] = width;
        stOverlay.pitches[1] = stOverlay.pitches[2] = width /2;
        stOverlay.pixels[0] = buff;
        stOverlay.pixels[1] = buff + width*height;
        stOverlay.pixels[2] = buff + width*height*5/4;
        [myGLViewController display:&stOverlay];
    }
}
```

3)关闭预览视频

[[VSNet shareinstance] stopLivestream:strDID];

4.监听声音

1) 开启监听

```
[[VSNet shareinstance] startAudio:strDID withEchoCancellationVer:NO];
```

2) 停止监听

```
[[VSNet shareinstance] stopAudio:strDID];
```

5.对讲

1) 开启对讲

```
[[VSNet shareinstance] startTalk:strDID withEchoCancellationVer:NO];
```

2) 停止对讲

```
[[VSNet shareinstance] stopTalk:strDID];
```

6. 局域网内搜索在线设备

1) 开始搜索

```
- (void) startSearch
{
    [[VSNet shareinstance] StartSearchDVS:self];
    //create the start timer|
    searchTimer = [NSTimer scheduledTimerWithTimeInterval:2.0 target:self selector:@selector(handleTimer:) userInfo:nil repeats:NO];
}
```

2) 搜索到设备回调 (20191201 更新方法)

3) 停止搜索

```
[[VSNet shareinstance] StopSearchDVS];
```

7.录制预览视频

1) 开始录制预览视频

```
NSString* strBasePath = [self GetBasePath:strDID];
NSString* fileName = [strBasePath stringByAppendingPathComponent:@"test22.mp4"];
if (fileName != nil) {
    [[VSNet shareinstance] StartRecord:fileName cameraUid:strDID completion:^(BOOL success, int nError) {
    if (success) {
        NSLog(@"Record success");
        dispatch_async(dispatch_get_global_queue(DISPATCH_QUEUE_PRIORITY_DEFAULT, 0), ^{
```

2) 停止录制视频

[[VSNet shareinstance] StopCameraUid:strDID];

8.SD 卡录像

1) 获取 SD 卡录像文件列表

```
[[VSNet shareinstance] setControlDelegate:m_strDID withDelegate:self];
[VSNetSendCommand VSNetCommandGetRecordFileWithDID:m_strDID user:@"admin" pwd:m_strPWD loginuse:@"admin" loginpas:m_strPWD pageSize:
500 pageIndex:0];
```

2) 返回获取 SD 卡录像文件列表

```
- (void)VSNetControl:(NSString *)deviceIdentity commandType:(NSInteger)comType buffer:(NSString *)retString length:(int)length charBuffer:
    (char *)buffer {
    NSLog(@"RemoteRecordFileListViewController VSNet返回数据 UID:%@ comtype %ld",deviceIdentity,(long)comType);
    if (comType == CGI_IEGET_RECORD_FILE && [deviceIdentity isEqualToString:deviceIdentity]){
        [self performSelectorOnMainThread:@selector(StopTimer) withObject:nil waitUntilDone:YES];
        NSRange range = [retString rangeOfString:@"record_name0[0]="];
        if (range.location != NSNotFound)
            NSInteger count = [[NSString subValueByKeyString:@"record_num0=" fromRetString:retString] integerValue];
            if (count > 0) {
               dispatch_async(dispatch_get_main_queue(), ^{
                   NSString *RecordCount = [NSString subValueByKeyString:@"RecordCount=" fromRetString:retString];
                    _recordCount = [RecordCount integerValue];
                                                                                 △ Implicit conversion loses integer precision: 'NSInteger' (aka 'long') to 'int'
                   for (NSInteger i = 0; i < count; i ++) {
                       NSString* recordName = [NSString subValueByKeyString:[NSString stringWithFormat:@"record_name0[%ld]=",i]
                           fromRetString:retString];
                       {\tt NSString*\ recordSize = [NSString\ subValueByKeyString:[NSString\ stringWithFormat: @"record\_size0[%]d] = ",i]}
                           fromRetString:retString];
```

3)播放SD卡录像文件

[[VSNet shareinstance] startPlayBack:strDID fileName:m_strFileName
withOffset:0 fileSize:_record_Size delegate:self SupportHD:1];

4) 停止播放 SD 卡录像文件

[[VSNet shareinstance] stopPlayBack:strDID];

9.H265 转 mp4

1. StratMergeH265File 合并下载文件接口 /** * 开始合并视频文件 H265 * @param deviceIdentity 设备id * **@param** strInPath 输入文件(单个文件) * **@param** strOutPath 输出文件路径 输入文件个数(总文件个数),第一个文件用 strInPath 参数传路径,如有其它文件使用 PutFile *@param nCount 来传。 * **@param** delegate 进度回调代理 * @return 1 成功, 0 失败 -(int) StratMergeH265File:(NSString*)deviceIdentity InputPath:(NSString*)strInPath OutPath:(NSString*)strOutPath FileCount:(int)nCount Delegate:(id <MergerVideoProtocol>) delegate; 2. PutFile 往合并文件队列中添加文件 * 往合并视频列表中添加文件(如果是只有一个文件合并的此接口就不用调用了, StratMergeH265 中已经传了) * @param deviceIdentity 设备id * @param strInPath 输入文件(单个文件) * @return 1 成功, 0 失败 -(int) PutFile:(NSString*)deviceIdentity InputPath:(NSString*)strInPath; 3.GetMergeMP4FilePos 获取进度 * 获取合并文件的合并文件进度 * @param deviceIdentity 设备id * @return 0~1.0 进度 -1 代表错误 -(float) GetMergeMP4FilePos:(NSString*)deviceIdentity; 4.StopMergeMP4File 中断或停合并下载 /** * 中断合并 * @param deviceIdentity 设备 id * @return 1成功, 0失败 -(int) StopMergeMP4File:(NSString*)deviceIdentity; 5.合并下载结果与进度返回 /** 合并视频回调进度 @param strUID: 设备 UID @param fpos: 0~1.0 进度(某个文件的进度) @param index 文件索引(第几个文件) **@param** nError **0:**有错误 **1:**无错误 **2:**全部文件合并成功 -(void) MergerVideoPos:(NSString*)strUID Pos:(float) fpos Index:(int) index Error:(int)nError;