1. **前端发送图片内嵌信息（内嵌信息从图片的第五个字节开始）**

**FF D8 FF FE 00 7c xxxx。。。从x开始的字节即为内嵌信息**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **序号** | 项 目 | 类 型 | 例 子 | 注 释 | 个飞 |
| 0 | MAC | unsigned char | 123456 |  | 6 |
| 1 | GRAB\_TIME | unsigned char | 2013041012125900 | 2013.04.10.12:12:59:00 | 24 |
| 2 | Coordinate | unsigned char | 3937.3032,N,11611.6046,E | 经纬度 | 30 |
| 3 | Speed | unsigned char | 000.0 |  | 6 |
| 4 | 车牌 | unsigned char |  |  | 16 |
| 5 | 方向 | unsigned char | [EW][SN]00 |  | 4 |
| 5 | 车牌颜色 | unsigned char |  |  | 8 |
| 6 | 车距 | unsigned int |  |  | 4 |
| 7 | 抓拍流水号 | unsigned int |  |  | 4 |
| 8 | 抓拍序号 | unsigned int |  |  | 4 |
| 9 |  |  |  |  |  |
| 10 | 共96字节，现在设置内嵌信息空间为126字节 | | | | |
| 11 | typedef struct PICTURE\_INFO  {  Uint8 MAC\_ID[4];  Uint8 time[24];  Uint8 Coordinate[30];  Uint8 Speed[6];  Uint8 car\_num[16];  Uint8 car\_color[8];  Uint32 car\_distence;  Uint32 car\_order;  Uint32 grab\_order;  }PICTURE\_INFO; | | | | |
| 12 |  |  |  |  |  |
| 13 |  |  |  |  |  |
| 14 |  |  |  |  |  |
| 15 |  |  |  |  |  |
| 16 |  |  |  |  |  |
| 17 |  |  |  |  |  |
| **总字节数** | | | | | **--** |

**二、心跳包协议**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **序号** | **项 目** | **类 型** | **例 子** | **注 释** | **字节** |
| 0 | 帧头 | unsigned char | 0xAA | 表示帧的开始 | 1 |
| 1 |  | unsigned char | 0x55 |  | 1 |
| 2 | MAC地址 | unsigned char | 02C5 |  | 4 |
| 3 | 实时时间 | unsigned char | 2013041012125900 | 2013.04.10.12:12:59:00 | 24 |
| 4 | Coordinate | unsigned char | 3937.3032,N,11611.6046,E | 经纬度 | 30 |
| 5 | 相机状态 | unsigned char | 1 |  | 1 |
| 6 | GPS状态 | unsigned char |  |  | 4 |
| 7 | 帧尾 | unsigned char | 0xEE | 表示帧的结束 | 1 |

typedef struct HEARTBEATSENDPACKET

{

Uint8 Frame\_Head[2];

Uint8 MAC\_ID[24];

Uint8 real\_time[24];

Uint8 Coordinate[30];

Uint8 camera\_status;

Uint8 gps\_status;

Uint8 Frame\_end;

}HEARTBEATSENDPACKET;