Pelco-D基本命令格式（**所有指令统一以十六进制形式输入**）

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 字节1 | 字节2 | 字节3 | 字节4 | 字节5 | 字节6 | 字节7 |
| FF | add | Cmd1 | Cmd2 | Data1 | Data2 | Checksum |

FF：同步字节，始终为0xFF

Add：地址位，取值范围为0x00~0xFF，默认地址1

Cmd1、Cmd2：命令码

Data1、Data2：数据码

Checksum:校验位，Checksum = add + Cmd1 + Cmd2 + Data1 + Data2

1、水平向右控制

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 02 | Hspeed | 00 | checksum |

2、水平向左控制

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 04 | Hspeed | 00 | checksum |

Hspeed: 0x00~0x40,64级速度级

3、俯仰向下控制

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 10 | 00 | Vspeed | checksum |

4、俯仰向上控制

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 08 | 00 | Vspeed | checksum |

Vspeed: 0x00~0x40,64级速度级

5、变倍加控制

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 20 | 00 | 00 | checksum |

6、变倍减控制

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 40 | 00 | 00 | checksum |

7、聚焦远控制

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 80 | 00 | 00 | checksum |

8、聚焦近控制

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 01 | 00 | 00 | 00 | checksum |

9、光圈开控制

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 02 | 00 | 00 | 00 | checksum |

10、光圈关控制

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 04 | 00 | 00 | 00 | checksum |

11、普通预置位点设置

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 03 | 00 | Preset-no | checksum |

12、普通预置位点调用

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 07 | 00 | Preset-no | checksum |

13、普通预置位点删除

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 05 | 00 | Preset-no | checksum |

Preset-no: 1~80,131~250 共200个

14、打开辅助开关

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 09 | 00 | Switch | checksum |

15、关闭辅助开关

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 0B | 00 | Switch | checksum |

Switch：0x00~0xFF

16、设置线扫起点

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 11 | 00 | Data2 | checksum |

17、设置线扫终点

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 13 | 00 | Data2 | checksum |

18、打开线扫

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 1B | 00 | Data2 | checksum |

19、关闭线扫

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 1D | 00 | Data2 | checksum |

20、设置苹果皮扫描起点

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 03 | 00 | 5D | checksum |

21、设置苹果皮扫描终点

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 05 | 00 | 5D | checksum |

22、调用苹果皮扫描

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 07 | 00 | 5D | checksum |

23、苹果皮扫描俯仰步长设置

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 33 | MSB | LSB | checksum |

24、设置扫描速度

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 31 | Hspeed | Vspeed | checksum |

Data2: 0x00~0x07，可设置八条，一般只用第一条

MSB，LSB：（MSB\*256+LSB）/100

eg:设置步长为5度，则设置角度应为5\*100=MSB\*256+LSB，即MSB=0x01,LSB=0xF4

Hspeed,Vspeed:取值同上面速度取值范围

25、调用巡航

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 07 | 00 | Preset\_no | checksum |

Preset\_no：100~107，八条

26、巡航时间设置

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 03 | 00 | Preset\_no | checksum |

Preset\_no：100~107，分别代表间隔时间为4s,10s,20,30s,60s,120s,180s,240s

27、巡航速度设置（与调预置位速度同）

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 67 | Hspeed | Vspeed | checksum |

28、打开守望

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 07 | 00 | 70 | checksum |

29、关闭守望

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 07 | 00 | 71 | checksum |

30、守望结束调用1号预置位

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 03 | 00 | 75 | checksum |

31、守望结束调用巡航1

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 05 | 00 | 75 | checksum |

32、守望结束调用水平线扫1

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 07 | 00 | 75 | checksum |

33、守望时间设置

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 03 | 00 | Times | checksum |

Times: 81~90，分别对应1min,2min,5min,10min,15min,20min,30min,40min,50min,60min

34、水平角度定位

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 4B | DataH | DataL | checksum |

DataH、DataL 为0~36000间的十六进制数，对应水平360度。

35、俯仰角度定位

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 4D | DataH | DataL | checksum |

DataH、DataL取值为0~9000（0-90度） and 27000~35999 （270-360度）（实际角度范围以技术要求为准）

36、水平角度查询

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 51 | 00 | 00 | checksum |

37、水平角度回传

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 59 | DataH | DataL | checksum |

38、俯仰角度查询

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 53 | 00 | 00 | checksum |

39、俯仰角度回传

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 5B | DataH | DataL | checksum |

40、变倍值查询

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 55 | 00 | 00 | checksum |

41、变倍值回传

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 5D | ZDataH | ZDataL | checksum |

ZDataH、ZDataL取值范围为0x0000~0x4000

42、聚焦值查询

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 65 | 00 | 00 | checksum |

43、聚焦值回传

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 6D | FDataH | FDataL | checksum |

44、远程重启

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 07 | 00 | 78 | checksum |

45、调用自检

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 07 | 00 | 77 | checksum |

46、打开上电自检

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 03 | 00 | 77 | checksum |

47、关闭上电自检

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 05 | 00 | 77 | checksum |

48、实时回传开

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 09 | 00 | 05 | checksum |

49、实时回传关

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 0B | 00 | 05 | checksum |

50、定位速度设置

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 5F | Pspeed | Vspeed | checksum |

51、停止指令

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FF | address | 00 | 00 | 00 | 00 | checksum |