**远程控制协议**

协议头描述.

enum RemoteTransferType {

eTransfer\_NULL = 0,

eTransfer\_StartAssistant = 1,

eTransfer\_StopAssistant = 2,

eTransfer\_Mouse\_LBtnDown = 100,

eTransfer\_Mouse\_LBtnUp = 101,

eTransfer\_Mouse\_LBtnDClick = 102,

eTransfer\_Mouse\_RBtnDown = 103,

eTransfer\_Mouse\_RBtnUp = 104,

eTransfer\_Mouse\_RBtnDClick = 105,

eTransfer\_Mouse\_Move = 106,

eTransfer\_Mouse\_Wheel = 107,

eTransfer\_KeyBoard\_KeyPress = 1000,

eTransfer\_KeyBoard\_KeyDown = 1001,

eTransfer\_KeyBoard\_KeyUp = 1002,

eTransfer\_KeyBoard\_Cut = 1003,

eTransfer\_KeyBoard\_Copy = 1004,

eTransfer\_KeyBoard\_Paste = 1005,

};

1. **通知开始远程协助 eTransfer\_StartAssistant**

{

"cmdType":1, //指令类型

"timestamp":223232223, //UTC 时间戳表示，精确到ms

"param":{} //扩展reserved

}

1. **通知停止远程协助 eTransfer\_StopAssistant**

{

"cmdType":2,

"timestamp":223232223,

"param":{}

}

1. **鼠标左键按下**

{

"cmdType":100,

"timestamp":223232223,

"param":{}

}

1. **鼠标左键弹起**

{

"cmdType":101,

"timestamp":223232223,

"param":{}

}

1. **鼠标左键双击**

{

"cmdType":102,

"timestamp":223232223,

"param":{}

}

1. **右键按下**
2. **右键弹起**
3. **右键双击**
4. **鼠标移动**

{

"cmdType":106,

"timestamp":223232223,

"param":{"point":{"x":10,"y":10}}

}

1. **鼠标滚动**

{

"cmdType":107,

"timestamp":223232223,

"param":{"scrolDelta":{"x":10,"y":10}}

}

大多数windows鼠标只有竖向滚动，但也有四向滚轮鼠标。mac的触摸板和鼠标也都有横向和竖向两个方向的滚动。x、y的正负表示方向。

1. **键盘输入（忽略）**

{

"cmdType":1000,

"timestamp":223232223,

"param":{"keyCode":10,"wParam":23233}

}

keyCode表示字符 见ASCII表表示的字符数字； wParam是一个双字，低位表示是否有Ctrl/Shift 组合,高位表示具体的virtual\_code 比如 VK\_CONTROL,VK\_SHIFT.

1. **键盘按下**

{

"cmdType":1001,

"timestamp":223232223,

"param":{"keyCode":10}

}

1. **键盘弹起**

{

"cmdType":1002,

"timestamp":223232223,

"param":{"keyCode":10}

}

注：mac上有的快捷键需要3个或更多键一起按，用wParam无法表示，因此mac组合按键会发送多个 1001和1002 消息。键鼠结合（按住某个键的时候点击/拖动鼠标）也需要这两个消息