

**InputEvent**

<b>COLLABORATORS</b>
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	<i>TITLE :</i> InputEvent		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		July 22, 2024	

<b>REVISION HISTORY</b>
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NUMBER	DATE	DESCRIPTION	NAME

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## Chapter 1

# InputEvent

### 1.1 InputEvent

#### Konstanten

asciiDel	asciiFirst	asciiLast
c0First	c0Last	clFirst
clLast	classMax	commCodeFirst
commCodeLast	keyCodeFirst	keyCodeLast
lButton	latin1First	latin1Last
mButton	newActive	newSize
noButton	rButton	refresh
reqClear	reqSet	subClassCompatible
subClassPixel	subClassTablet	upPrefix

#### Typ-Deklarationen

Class	InputEvent	InputEventPtr
PointerPixel	PointerPixelPtr	PointerTablet
PointerTabletPtr	QualifierSet	Qualifiers
ShortQualifierSet	Vec2	

### 1.2 TMP:Modula-2/InputEvent.def

```
DEFINITION MODULE InputEvent ; (*$ Implementation:=FALSE *)
(* 17-Apr-1992/cn *)
```

```
FROM SYSTEM IMPORT ADDRESS;
```

```
FROM Timer IMPORT TimeVal ;
```

```
TYPE
```

```
Class =(
  null, rawkey, rawmouse, event, pointerpos, cl5, timer, gadgetdown,
  gadgetup, requester, menulist, closewindow, sizewindow,
  refreshwindow, newprefs, diskremoved, diskinserted,
  activewindow, inactivewindow,
```

```

    (*36*) newpointerpos, (*36*) menuhelp, (*36*) changewindow
);

```

```
CONST
```

```
classMax=ORD (MAX ( Class ));
```

```

(*36*) subClassCompatible= Class (0);

```

```

(*36*) subClassPixel= Class (1);

```

```

(*36*) subClassTablet= Class (2);

```

```
TYPE
```

```

(*36*) Vec2 =RECORD
    x,y:CARDINAL;
END;

```

```

(*36*) PointerPixel =RECORD
    screen:ADDRESS;
    position: Vec2 ;
END;

```

```

(*36*) PointerPixelPtr =POINTER TO PointerPixel ;

```

```

(*36*) PointerTablet =RECORD
    range: Vec2 ;
    value: Vec2 ;
    pressure:INTEGER;
END;

```

```

(*36*) PointerTabletPtr =POINTER TO PointerTablet ;

```

```
CONST
```

```
upPrefix=080H;
```

```
keyCodeFirst=00H;
```

```
keyCodeLast=077H;
```

```
commCodeFirst=078H;
```

```
commCodeLast=07FH;
```

```
c0First=00H;
```

```
c0Last=01FH;
```

```
asciiFirst=020H;
```

```
asciiLast=07EH;
```

```
asciiDel=07FH;
```

```
c1First=080H;
```

```
c1Last=09FH;
```

```
latin1First=0A0H;
```

```
latin1Last=0FFH;
```

```
lButton=068H;
```

```
rButton=069H;
```

```
mButton=06AH;
```

```
noButton=0FFH;
```

```

(*36*) newActive=01H;

```

```

(*36*) newSize=02H;

```

```

(*36*) refresh=03H;

```

```
reqClear=00H;
```

```
reqSet=01H;
```

```
TYPE
```

```

Qualifiers =(
    lShift, rShift, capsLock, control, lAlt, rAlt, lCommand, rCommand,
    numericPad, repeat, interrupt, multiBroadcast, midButton,

```

```
    rightButton, leftButton, relativeMouse
);
QualifierSet =SET OF   Qualifiers ;
ShortQualifierSet =SET OF [lShift..rCommand]; (* 1 Byte *)

InputEventPtr =POINTER TO   InputEvent ;
InputEvent =RECORD
nextEvent: InputEventPtr ;
class: Class ;
subClass: Class ;
code: CARDINAL;
qualifier: QualifierSet ;
CASE :INTEGER OF
| 0:
    x, y: INTEGER;
| 1:
    eventAddress: ADDRESS;
| 2:
    prev1DownCode: SHORTCARD;
    prev1DownQual: ShortQualifierSet ;
    prev2DownCode: SHORTCARD;
    prev2DownQual: ShortQualifierSet ;
END;
timeStamp: TimeVal
END;

END   InputEvent .noimp
```