



This is part of **Family API** which allow to create dual-os version of program runs under OS/2 and DOS

**Note:** This is legacy API call. It is recommended to use 32-bit equivalent

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This call returns the mode of the display.

## Syntax

VioGetMode (ModeData, VioHandle)

## Parameters

;ModeData (PVIOMODEINFO) - input/output : Far address of a structure where mode characteristics are returned. ;VioHandle (HVIO) - input : Reserved word of 0s.

## Return Code

;rc (USHORT) - return:Return code descriptions are: \*0 NO\_ERROR \*436 ERROR\_VIO\_INVALID\_HANDLE \*438 ERROR\_VIO\_INVALID\_LENGTH \*465 ERROR\_VIO\_DETACHED \*494 ERROR\_VIO\_EXTENDED\_SG

## Remarks

Refer to [VioSetMode](#) for examples.

## Bindings

## C

<PRE> typedef struct \_VIOMODEINFO {

```

USHORT cb;                      /* Length of the entire data structure */
UCHAR fbType;                   /* Bit mask of mode being set          */
UCHAR color;                    /* Number of colors (power of 2)       */
USHORT col;                     /* Number of text columns             */
USHORT row;                     /* Number of text rows                */
USHORT hres;                    /* Horizontal resolution              */
USHORT vres;                    /* Vertical resolution                */
UCHAR fmt_ID;                   /* Attribute format                  */
UCHAR attrib;                   /* Number of attributes              */

```

```
ULONG buf_addr;
ULONG buf_length;
ULONG full_length;
ULONG partial_length;
PCH ext_data_addr;
} VIOMODEINFO;
```

```
typedef VIOMODEINFO far *PVIOMODEINFO;
```

```
#define INCL_VIO
```

```
USHORT rc = VioGetMode(ModeData, VioHandle);
```

```
PVIOMODEINFO ModeData; /* Mode characteristics */ HVIO VioHandle; /* Vio handle */
```

```
USHORT rc; /* return code */ </PRE>
```

## MASM

```
<PRE> VIOMODEINFO struc
```

```
viomi_cb          dw ? ;Length of the entire data structure
viomi_fbType      db ? ;Bit mask of mode being set
viomi_color       db ? ;Number of colors (power of 2)
viomi_col         dw ? ;Number of text columns
viomi_row         dw ? ;Number of text rows
viomi_hres        dw ? ;Horizontal resolution
viomi_vres        dw ? ;Vertical resolution
viomi_fmt_ID      db ? ;Attribute format
viomi_attrib      db ? ;Number of attributes
viomi_buf_addr    dd ? ;
viomi_buf_length  dd ? ;
viomi_full_length dd ? ;
viomi_partial_length dd ? ;
viomi_ext_data_addr dd ? ;
```

```
VIOMODEINFO ends
```

```
EXTRN VioGetMode:FAR INCL_VIO EQU 1
```

```
PUSH@ OTHER ModeData ;Mode characteristics PUSH WORD VioHandle ;Vio handle CALL VioGetMode
```

```
Returns WORD </PRE>
```

| <b>Family API</b> |   |
|-------------------|---|
| DOS               | Process Manager<br>DosBeep DosExit DosSleep DosExecPgm  |
|                   | File Manager<br>DosChDir DosChgFilePtr DosClose DosDelete DosDupHandle DosMkDir DosMove<br>DosQCurDir DosQCurDisk DosSet FileMode DosOpen DosQFileInfo DosRead<br>DosQFileInfo DosQVerify DosRmDir DosSelectDisk DosFindClose<br>DosFindFirst DosFindNext DosSet FileInfo DosSet Verify DosWrite DosFileLocks<br>DosSet FHandState DosNewSize DosBufReset DosQFHandState DosSet FInfo<br>DosShutdown      |
|                   | Memory Manager<br>DosFreeSeg DosSubAlloc DosSubSet DosAlloc Huge DosAlloc Seg<br>DosRealloc Huge DosRealloc Seg DosGet Huge Shift DosCreate CS Alias  |
|                   | NLS<br>DosCaseMap DosGet Ctry Info DosGet DBCSEv DosSet Ctry Code DosGet Collate<br>DosGet Message DosIns Message DosPut Message  |
|                   | Date and Time<br>DosSet Date Time DosGet Date Time  |
|                   | Devices<br>DosDevConfig DosDevIOCtl DosDevIOCtl2  |
|                   | Signals<br>DosHold Signal DosSet Sig Handler  |
|                   | Misc<br>BadDynLink DosGet Env DosGet Machine Mode DosGet Version DosError DosErr Class<br>DosSet Vec  |
| KBD               | KbdCharIn KbdFlush Buffer KbdGet Status KbdSet Status KbdStringIn KbdPeek   |
| VIO               | VioGet Buf VioGet Config VioGet Cur Pos VioGet Cur Type VioGet Phys Buf<br>VioRead Cell Str VioRead Char Str Vio Scroll Up Vio Scroll Dn Vio Scroll If Vio Scroll Rt<br>Vio Scr Un Lock Vio Set Cur Pos Vio Set Cur Type Vio Set Mode Vio Get Mode Vio Show Buf<br>Vio Wrt Cell Str Vio Wrt Char Str Vio Wrt Char Att Vio Wrt N Attr Vio Wrt N Cell<br>Vio Wrt N Char Vio Wrt TTY Vio Scr Lock Vio Pop Up |
| Tools             | BIND  |
| Modules           | DOSCALLS.DLL VIOCALLS.DLL KBDCALLS.DLL MSG.DLL  |
| Libraries         | API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB   |

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