



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

2021/09/17 04:47 · prokushev · [0 Comments](#)

2021/08/20 03:18 · prokushev · [0 Comments](#)

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>

| Family API |                 |  |
|------------|-----------------|--|
| DOS        | Process Manager | DosBeep DosExit DosSleep DosExecPgm  |
|            | File Manager    | DosChDir DosChgFilePtr DosClose DosDelete DosDupHandle DosMkDir DosMove<br>DosQCurDir DosQCurDisk DosSet FileMode DosOpen DosQFileInfo DosRead<br>DosQFileInfo DosQFSInfo DosQVerify DosRmDir DosSelectDisk DosFindClose<br>DosFindFirst DosFindNext DosSet FileInfo DosSet Verify DosWrite DosFileLocks<br>DosSet FHandState DosNewSize DosBufReset DosQFHandState DosSet FInfo |
|            | Memory Manager  | DosFreeSeg DosSubAlloc DosSubFree DosSubSet DosAlloc Huge DosAlloc Seg<br>DosRealloc Huge DosRealloc Seg DosGet Huge Shift DosCreateCS Alias   |
|            | NLS             | DosCaseMap DosGetCtryInfo DosGetDBCSEv DosSetCtryCode DosGetCollate<br>DosGetMessage DosInsMessage DosPutMessage   |
|            | Date and Time   | DosSetDateTime DosGetDateTime  |
|            | Devices         | DosDevConfig DosDevIOCtl DosDevIOCtl2  |
|            | Signals         | DosHoldSignal DosSetSigHandler   |
|            | Misc            | BadDynLink DosGetEnv DosGetMachineMode DosGetVersion DosError DosErrClass<br>DosSetVec   |
| KBD        |                 | KbdCharIn KbdFlushBuffer KbdGetStatus KbdSetStatus KbdStringIn KbdPeek   |
| VIO        |                 | VioGetBuf VioGetConfig VioGetCurPos VioGetCurType VioGetPhysBuf<br>VioReadCellStr VioReadCharStr VioScrollUp VioScrollDn VioScrollLf VioScrollRt<br>VioScrUnLock VioSetCurPos VioSetCurType VioSetMode VioGetMode VioShowBuf<br>VioWrtCellStr VioWrtCharStr VioWrtCharStrAtt VioWrtNAttr VioWrtNCell<br>VioWrtNChar VioWrtTTY VioScrLock VioPopUp                                |
| Tools      |                 | BIND   |
| Modules    |                 | DOSCALLS.DLL VIOCALS.DLL KBDCALLS.DLL MSG.DLL  |
| Libraries  |                 | API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB  |

2018/08/25 15:05 · prokushev · [0 Comments](#)

From:  
<https://ftp.osfree.org/doku/> - osFree wiki



Permanent link:  
<https://ftp.osfree.org/doku/doku.php?id=en:docs:fapi:viogetmode&rev=1629449678>

Last update: **2021/08/20 08:54**