



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>

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

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