



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](#)

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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 DosSetFileMode DosOpen DosQFileInfo DosRead DosQFileMode DosQFSInfo DosQVerify DosRmdir DosSelectDisk DosFindClose DosFindFirst DosFindNext DosSetFileInfo DosSetVerify DosWrite DosFileLocks DosSetFHandState DosNewSize DosBufReset DosQFHandState DosSetFSinfo DosShutdown
	Memory Manager	DosFreeSeg DosSubAlloc DosSubFree DosSubSet DosAllocHuge DosAllocSeg DosReallocHuge DosReallocSeg DosGetHugeShift DosCreateCSAlias
	NLS	DosCaseMap DosGetCtryInfo DosGetDBCSEv DosSetCtryCode DosGetCollate DosGetMessage DosInsMessage DosPutMessage
	Date and Time	DosSetDateTime DosGetDateTime
	Devices	DosDevConfig DosDevIOct1 DosDevIOct2
	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 VIOCALLS.DLL KBDCALLS.DLL MSG.DLL	
Libraries	API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB	

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