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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VioGetMode

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

```
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 */
```

MASM

```
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
```

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 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 VIOCALLS.DLL KBDCALLS.DLL MSG.DLL
Libraries		API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB

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