

SAGA_VIDEO_VTOTAL Register



Change the current SAGA Video [ModeLine](#) **VTOTAL** attribute.

Name

- SAGA_VIDEO_VTOTAL

Address

- 0xDFF30E

Access

- Write-Only

Size

- 16-bits
-

Description

See [ModeLine](#) for more information.

Property	Short	Description
VPIXEL	Height	Number of vertical pixels drawn to the visible part of the screen.
VSSTRT-VPIXEL	Front Porch	Amount of black pixels drawn on the bottom of the screen.
VSSTOP-VSSTRT	Vertical Sync	Amount of time it takes to move back up to the first line of the screen
VTOTAL-VSSTOP	Back Porch	Amount of black pixels drawn to the top of the screen.

Example

The following ASM snippet shows how to fully set a valid [ModeLine](#).

```
MAIN:
    lea    MyModeLine,a0    ; Load MyModeLine in A0
    move.w (a0)+,$dff300    ; SAGA_VIDEO_HPIXEL
    move.w (a0)+,$dff302    ; SAGA_VIDEO_HSSTRT
    move.w (a0)+,$dff304    ; SAGA_VIDEO_HSSTOP
    move.w (a0)+,$dff306    ; SAGA_VIDEO_HTTOTAL
    move.w (a0)+,$dff308    ; SAGA_VIDEO_VPIXEL
    move.w (a0)+,$dff30A    ; SAGA_VIDEO_VSSTRT
    move.w (a0)+,$dff30C    ; SAGA_VIDEO_VSSTOP
    move.w (a0)+,$dff30E    ; SAGA_VIDEO_VTTOTAL
    move.w (a0)+,$dff310    ; SAGA_VIDEO_HVSYNC
    rts

MyModeLine:
    dc.w 800,832,912,1024,600,604,608,625,1 ; "800x600@60" 38.400000
```

[Home](#) | [Links](#) | [SAGA](#) | [SAGA Video](#) | [SAGA Registers](#)

From: <https://www.apollo-accelerators.com/wiki/> - **Apollo Accelerators**

Permanent link: https://www.apollo-accelerators.com/wiki/doku.php/saga:registers:saga_video_vtotal?rev=1575273261

Last update: **2020/08/02 12:37**

