

SAGA_VIDEO_VPIXEL register



Overview

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

Name

- SAGA_VIDEO_VPIXEL

Address

- 0xDFF308

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_HTOTAL
    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_VTOTAL
    move.w (a0)+,$dff310    ; SAGA_VIDEO_HVSYNC
    rts

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

You are here: [start](#) » [saga](#) » [registers](#) » [saga_video_vpixel](#)

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