

Dreamcast Videoregister

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28.12.99

0xa05f8040

b31	b30	b29	b28	b27	b26	b25	b24	b23	b22	b21	b20	b19	b18	b17	b16	b15	b14	b13	b12	b11	b10	b9	b8	b7	b6	b5	b4	b3	b2	b1	b0
border color red																border color green						border color blue									

0xa05f8044

b31	b30	b29	b28	b27	b26	b25	b24	b23	b22	b21	b20	b19	b18	b17	b16	b15	b14	b13	b12	b11	b10	b9	b8	b7	b6	b5	b4	b3	b2	b1	b0				
C								?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
displaying																COL																			
0																color mode																			
1																r																			
off																g																			
on																b																			
																bytes ie pixel																			
																5																			
																5																			
																5																			
																8																			
																8																			
																8																			
																4																			

C clock

0xa05f8050

b31	b30	b29	b28	b27	b26	b25	b24	b23	b22	b21	b20	b19	b18	b17	b16	b15	b14	b13	b12	b11	b10	b9	b8	b7	b6	b5	b4	b3	b2	b1	b0
screen base address																															

0xa05f805c

b31	b30	b29	b28	b27	b26	b25	b24	b23	b22	b21	b20	b19	b18	b17	b16	b15	b14	b13	b12	b11	b10	b9	b8	b7	b6	b5	b4	b3	b2	b1	b0
scanline offset								screen height								screen width															

screen with
screen height
scanline offset

= displayed words - 1
= displayed scanlines - 1
= offset to next scanline + 1



0xa05f80d0

- VP
- 0
- 1
- HP
- 0
- 1
- I
- 0
- 1
- VO
- 0
- 1

V-Sync polarity
negative
positive

H-Sync polarity
negative
positive

interface
off
on

video output enable
off
on



0xa05f80d4

start display border H

end display border H



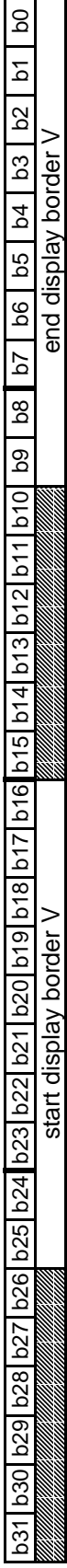
0xa05f80d8

V counter

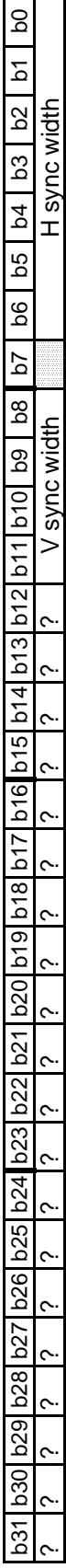
H counter

H counter
V counter

amount of pixels per scanline
amount of scanlines



0xa05f80dc



0xa05f80e0



0xa05f80e4



0xa05f80e8



0xa05f80ec



0xa05f80f0



0xa0702C00

- 0 0 RGB
- 0 1 RGB
- 1 0 RGB
- 1 1 Composite

0xa5000000 8 Mbyte VideoRAM

0xa5800000