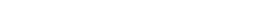


Dreamcast Videoregister

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28.12.99

	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	
0xa05f8040									?	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	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	COL	?	DE

DE displaying
 0 off
 1 on

COL color mode

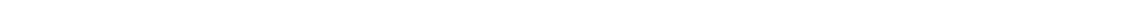
b3	b2		r	g	b		bytes je pixel
0	0		5	5	5		2
0	1		5	6	5		2
1	0						
1	1		8	8	8		4

C clock

	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
0xa05f8050									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	= displayed words - 1
screen height	= displayed scanlines - 1
scanline offset	= offset to next scanline + 1

	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
0xa05f80d0																							?	VO	?	?	?	I	?	HP	VP	?

VP	V-Sync polarity
0	negative
1	positive

HP	H-Sync polarity
0	negative
1	positive

l	interlace
0	off
1	on

VO	video output enable
0	off
1	on

	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
0xa05f80d4							start display border H																end display border H									

0xa05f80d8

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
								V counter																H counter							

H counter	amount of pixels per scanline
V counter	amount of scanlines

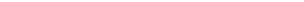
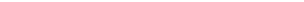
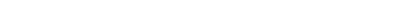
0xa05f80dc	b31	b30	b29	b28	b27	b26	b25	b24	b23	b22	b21	b20	b19	b18	b17	b16	b15	b14	b13	b12	b11	b10	b9	b8	b7	b6	b5	b4	b3	b2	b1	b0
	start display border V																end display border V															

0xa05f80e0	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				
	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	V sync width					H sync width										

0xa05f80e4	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
																	?	?	?				?	?	?	?	?	?	?	?	?	?

0xa05f80e8	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
																	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?

0xa05f80ec	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
																							H position screen									

	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
0xa05f80f0							?	?	?	?	?	?	?	?	?								Start Bild V									

	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			
0xa0702C00																							Vout												

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

0xa5000000 8 Mbyte VideoRAM
0xa5800000