Dreamcast Videoregister

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scanline offset

0xa05f805c

28.12.99

screen width

	b31 b30 b29 b28 b27 b	26 b25 b24	b23	b22 k	o21 b2	0 b19	b18 b	17 b1	6 b1	5 b14	4 b1	3 b12	2 b11	b10	b9	b8	b7	b6	b5	b4	b3 b2	2 b1	b0
0xa05f8040		?			border							_	olor	_	•				bor	der c	olor blu		
			•																				
	b31 b30 b29 b28 b27 b	26 b25 b24				_				_	_	_	_	_	b9	b8	_	b6	b5	b4		2 b1	
0xa05f8044			С	? ?	? ?	?	? ?	?	?	?	?	?	?	?	?	?	?	?	?	?	COL	?	DE
	DE	diaplavi	20																				
	0	displayi off	ig																				
	1	on																					
	'	OII																					
	COL	color m	ode																				
	b3 b2	r g	b		bytes	je pix	el																
	0 0	5 5	5			2																	
	0 1	5 6	5			2																	
	1 0																						
	1 1	8 8	8			4																	
	0	مام ماء																					
	С	clock																					
	b31 b30 b29 b28 b27 b2	26 b25 b24	b23	b22 k	n21 h2	0 b19	b18 b	17 b1	6 b1	5 b14	4 b1	3 b12	2 b11	b10	b9	b8	b7	b6	b5	b4	b3 b2	2 b1	b0
0xa05f8050			3_3			0 0 . 0	0.0 0			scree							٠.			~ .	20 22		
			74																				
	b31 b30 b29 b28 b27 b2	26 b25 b24	b23	b22 k	o21 b2	0 b19	b18 b	17 b1	6 b1	5 b14	4 b1	3 b12	2 b11	b10	b9	b8	b7	b6	b5	b4	b3 b2	2 b1	b0

screen height

screen with = diplayed words - 1 screen height = displayed scanlines - 1 scanline offset = offset to next scanline + 1

0xa	0.5f	80	dС
Una	UUI	-	uu

501 500 520 520 527	26 b25	b23	b22 b21	b20	b19	סוט	b17	b16	b15	b14	b13	b12	b11	2	b9	b8	b7	b6	b5	b4	b3	b2	b1	b0
															?	VO	?	?	?		?	HP	VP	?

VP V-Sync polarity
negative
positive

HP H-Sync polarity
negative
negative
positive

I interlace
off
on

VO video output enable
off

0xa05f80d4

b31 b30 b29 b28 b27 b26 b	25 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 H		end display border H

0xa05f80d8

10011000102	9 b28	1021	b26	b25	b24	b23	b22	b21	b20	b19	b18	b17	b16	2	b14	010	0.2	b11	b10	b9	b8	b7	b6	b5	b4	b3	b2	b1	b0
							,	V co	unte	•														H co	unte	r			

H counter amount of pixels per scanline

on

V counter amount of scanlines

0xa05f80dc	b31 b30 b29 b28 b27 b26	b25 b24 b23 b22 b21 b start display		o15 b14 b13 b12 b11 b10	b9 b8 b7 b6 b5 b4 b3 b2 b1 b0 end display border V
0xa05f80e0	b31 b30 b29 b28 b27 b26 ? ? ? ? ? ? ?	b25 b24 b23 b22 b21 b ? ? ? ? ? ? ?		o15 b14 b13 b12 b11 b10 ? ? ? ? ? V sync	
0xa05f80e4	b31 b30 b29 b28 b27 b26	5 b25 b24 b23 b22 b21 b	020 b19 b18 b17 b16 b	015 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 k	020 b19 b18 b17 b16 b? ? ? ? ?	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 b	520 b19 b18 b17 b16 b	o15 b14 b13 b12 b11 b10	b9 b8 b7 b6 b5 b4 b3 b2 b1 b0 H position screen
0xa05f80f0	b31 b30 b29 b28 b27 b26	b25 b24 b23 b22 b21 b ? ? ? ? ? ? ?		o15 b14 b13 b12 b11 b10	b9 b8 b7 b6 b5 b4 b3 b2 b1 b0 Start Bild V
0xa0702C00	b31 b30 b29 b28 b27 b26	b25 b24 b23 b22 b21 b	020 b19 b18 b17 b16 b	o15 b14 b13 b12 b11 b10	b9 b8 b7 b6 b5 b4 b3 b2 b1 b0 Vout 0 0 RGB 0 1 RGB 1 0 RGB 1 1 Composite

0xa5000000 8 Mbyte VideoRAM 0xa5800000