

Video-Enabled Chips

	Advance Logic Inc. ALG 1301 Video Wizard	ATI Technologies Inc. Mach64	BrookTree Corp. BtV Media-Stream	Digital Equipment Corp. DECchip 21130	I.C. Works Inc. ZoomDAC	Matrox Graphics Inc. MGA-2064W
Function	ZoomDAC	Controller, scaler, DAC	Controller, scaler	Controller, scaler, DAC	ZoomDAC	Controller, scaler
Dithering	N/A	N	N	Y	N/A	Y
Width of data path	32-bit	64-bit	32-bit	64-bit	64-bit	64-bit
Scaling methods:						
Horizontal (x-axis)	Interpolation	Interpolation	2-tap	3-tap	4-tap	Interpolation, pixel replication
Vertical (y-axis)	Interpolation	Interpolation	2-tap	Line replication	4-tap	Line replication
YUV-to-RGB conversion	Y	Y	Y	Y	N	Y
Memory type	Depends on controller	DRAM, DRAM EDO	VRAM	DRAM EDO	Depends on controller	WRAM
Maximum	Varies	4MB	4MB	4MB	Varies	8MB
DCI	Y	Y	Y	Y	Y	Y
N/A Not applicable: The product does not have this feature.						

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	S3 Inc. S3 Vision 968	S3 Inc. S3 Vision/VA	Tseng Labs Inc. VIPeR f/x	VideoLogic Inc. PowerPlay 64	Weitek Corp. Video Power	Western Digital Corp. WD9710
Function	Controller, scaler	Scaler	Scaler	Scaler	Scaler	Controller, scaler, DAC
Dithering	Y	Y	Y	Y	Y	N
Width of data path	64-bit	32-bit	16-bit multiplexed	64-bit	32-bit	64-bit
Scaling methods:						
Horizontal (x-axis)	5-tap	5-tap	64-tap	Multitap	4-tap	4-tap
Vertical (y-axis)	5-tap, line replication	5-tap, line replication	64-tap	Multitap	2-tap	Line replication
YUV-to-RGB conversion	Y	Y	Y	Y	Y	Y
Memory type	DRAM, VRAM	Depends on controller	DRAM	Depends on controller	VRAM	DRAM
Maximum	DRAM, 4MB; VRAM, 8MB	Varies	4MB	Varies	4MB	4MB
DCI	Y	Y	Y	Y	Y	Y
N/A Not applicable: The product does not have this feature.						