

Overview Graphic Cards for Shippimulator Extremes

Schiffsim was tested with the following cards. 8800 GT, GTX 260, GTX 275, GTX 470, GTX 570.

ATI 5770, ATI 5850 and 6870.

Test System: Intel QX 9650 @ 4x 3 Ghz, 4 gb DDR 3, Win 7/ 64

Resolution 1680x1050 with 4x AA and 8x AF all Game Settings at high and traffic on. To Reduce the quality brought only partially better performance. A smaller resolution brought no improvement.

Tested Areas: Atlantic, Rotterdam Hamburg and Sydney.

In weaker systems, the performance can be significantly worse. Note: A Porsche can go only 300 if It's permitted by the road.

The rating of the other cards were added after studying of reliable sources. You can find them at the end of the List.

	Ram	Chip	DirectX		
Older Cards NVIDIA					
8800 GT/ 9800 GT	512 GDDR 3	G 92	10	not liquid	min. req
9800 GTX	512 GDDR 3	G 92	10	not liquid	
9800GTX +	512 GDDR 3	G 92	10	not liquid	
9800 GX 2	2x 512 GDDR 3	2x G 92	10	no Benchmarks	
GTX 250	1024 GDDR 3	G92b	10	not liquid	
GTX 260/ 216	896 GDDR 3	Gt 200	10	playable about 20 fps	
GTX 275	896 GDDR 3	Gt 200 b	10	playable about 24 fps	
GTX 280	1024 GDDR 3	GT 200	10	playable about 24 fps	
GTX 285	1024 GDDR 3	GT 200 b	10	liquid	
GTX 295	2x 896 GDDR 3	2x GT 200b	10	liquid	
GTX 460	1024 GDDR 5	GF 104	11	playable about 24 fps	
GTX 465	1024 GDDR 5	GF 100	11	no Benchmarks	

GTX 470	1280 GDDR 5	GF 100	11	liquid
GTX 480	1536 GDDR 5	GF 100	11	liquid

Older Cards ATI/AMD

Radeon 4770	512 GDDR 5	RV 740	10	not liquid	min. req
Radeon 5670	512 GDDR 3	RV830	11	not liquid	min. req
Radeon 5750	512/1024 GDDR 5	RV 840	11	playable about 20 fps	
Radeon 5770	1024 GDDR 5	RV 840	11	playable about 24 fps	
Radeon 4870	1024 GDDR 5	RV 770	10	playable about 24 fps	
Radeon 5830	1024 GDDR 5	RV 870	11	playable about 24 fps	
Radeon 4890	1024 GDDR 5	RV 790	10	liquid	
Radeon 5850	1024 GDDR 5	RV 870	11	liquid	
Radeon 5870	1024/2048 GDDR 5	RV 870	11	liquid	
Radeon 5970	2x 1024 GDDR 5	2x RV 870	11	liquid	

Current Cards NVIDIA

GTX 550 TI	1024 GDDR 5	GF 114	11	playable about 20 fps
GTX 560	1024 GDDR 5	GF 114	11	liquid
GTX 560 TI	1024 GDDR 5	GF 114	11	liquid
GTX 570	1280/2560 GDDR 5	GF 110	11	liquid
GTX 580	1536 GDDR 5	GF 110	11	liquid
GTX 590	2x 1536 GDDR 5	2x GF 110	11	liquid

Current Cards ATI/AMD

Radeon 6670	512/1024 GDDR 5	Turks	11	not liquid
Radeon 6790	1024 GDDR 5	Barts XT	11	playable about 24 fps

Radeon 6870	1024 GDDR 5	Barts XT	11	liquid
Radeon 6950	1024/2048 GDDR 5	Cayman	11	liquid
Radeon 6970	2048 GDDR 5	Cayman	11	liquid
Radeon 6990	4069 GDDR 5	Cayman	11	liquid

As a reference for evaluating the performance I chose Crysis Warhead because it burdened the system nearly comparable as shipsim Extremes.

In other Games most of this Cards should bring a liquid Performace.

http://www.computerbase.de/artikel/grafikkarten/2011/test-nvidia-geforce-gtx-590/20/#abschnitt_crysis_warhead

http://www.computerbase.de/artikel/grafikkarten/2009/test-ati-radeon-hd-5870/18/#abschnitt_crysis_warhead