

Subject: : AmigaOS4

Topic: : Sam460 and 720p video playback

Re: Sam460 and 720p video playback

Author: : LiveForIt

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URL:

@Severin

X1000, Same video.

None AltiVec.

BENCHMARKs: VC: 189.858s VO: 0.049s A: 0.000s Sys: 1.443s = 191.351s

BENCHMARK%: VC: 99.2202% VO: 0.0258% A: 0.0000% Sys: 0.7539% = 100.0000%

AltiVec

BENCHMARKs: VC: 114.804s VO: 0.051s A: 0.000s Sys: 1.482s = 116.337s

BENCHMARK%: VC: 98.6822% VO: 0.0442% A: 0.0000% Sys: 1.2736% = 100.0000%

$189.858 \text{ sec} - 114.804 \text{ sec} = 75.052 \text{ sec less}$

$75.052/189.858 * 100 = 39.58\% \text{ less time to decode the video.}$

Mplayer AltiVec playback is 1.65 x faster then none AltiVec.

$1.800 \text{ Ghz} * 1.65 = 2.970 \text{ Ghz}$

A none AltiVec computer will need to be 2.970 Ghz to have same computer power to decode a 1080p video without AltiVec, as The X1000 with AltiVec.