

Re: What TV to choose to watch Divx and Xvid movies from my computer?

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- *From:* kopn@xxxxxxxx
 - *Date:* 1 Sep 2006 03:45:32 -0700
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Thanks Michael for your answers!

My computer monitor is connected to ATI All-in-Wonder 128 AGP card. I want to install a second PCI video card to a PCI slot and connect TV to it through the d-sub for watching DivX video from my computer. My mainboard does not have any on-board graphics.

Is CRT with some kind of RGB input is preferable to LCD with d-sub, not s-video?

Best regards,

Dima

mike.j.harvey@xxxxxxxx wrote:

kopn@xxxxxxxx wrote:

Thanks Michael for your answers!

If you do not like LCD displays for watching movies or TV, is CRT with s-video better than LCD with d-sub for watching movies?

CRT with some kind of RGB input is preferable to s-video.

Reason:

(1) S-video is encoded. It is not much better than composite video.

S-Video is commonly used in USA, Canada, Australia and Japan, found there on consumer TVs, DVD players, video tape recorders and game consoles. Almost all TV-out connectors on graphics cards are S-Video, even in Europe, where the standard failed to make a significant impact due to the preference of the higher-quality RGB signal.

Due to the separation of the video into brightness and colour components, S-Video is sometimes considered a type of component video signal, although it is also the most inferior of them, quality-wise, being far surpassed by the more complex component video schemes (like RGB). What differentiates S-Video from these higher component video schemes is that S-Video carries the colour information as one signal.

This means that the colours have to be encoded in some way.

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(2) S-video does not support progressive scan

(3) Some particularly cheap S-Video cables are notorious for degrading the signals considerably, when transmitted across more than 5 meters.

Do dsub to RGB SCART adapters convert the signal or just change wiring?

The R, G and B signals are already at the correct level and do not need alteration. However the H and V sync signals are combined

A VGA (D-sub) to SCART adapter contains a circuit which takes VGA signals and converts it to RGB + composite sync signal which can be fed to TV via SCART connector. VGA card picture components RED, GREEN and BLUE are already at the correct voltage level (0.7Vpp) and has correct impedance (75 ohm) for direct connection to correspondign inputs in the TV. What needs to be done is to combine separate horizontal and vertical sync signal from VGA card to one composite sync signal which is feed to TV video in pin in SCART connector. This sync signal conversion is done by the electronics in the circuit. The circuit has also sends correct level signal to the TV RGB input enabling control pin in the SCART connector (pin 16).

Example is the Guillemot VGA-to-TV Converter.

Can you find 100hz progressive scan CRT TV with a d-sub? It looks that they do not exist.

Note that 100Hz TVs only operate at 100Hz for interlaced standard definition signals. You won't find any CRT HDTVs that can display 1080i HDTV at 100Hz, nor will you find any that can display 720p natively, never mind 1080p: the horizontal scan frequency is too high. This is why the progressive scan mode on 100Hz TVs operates is 50Hz. (The scan rate for 100Hz interlaced standard definition signals, 50Hz progressive scan standard def signals, and 1080i is actually quite similar, which is why TVs that support them can be manufactured at reasonable cost.)

Does not a 100hz CRT TV with dsub to RGB SCART adapter converts received progressive signal to interlaced?

It seems so, yes.

ATI radeon 9000 is not for old PCI slot, is it?

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Many PCI cards are still produced because macintosh has PCI slot.

Radeon 9200 is available in both AGP and PCI bus configurations. Has dual integrated display controllers to drive two displays simultaneously with independent resolutions and refresh rates.

Example: ATI RADEON 9250 DMS59 128MB PCI DUAL VGA

Can I install a PCI video card to the old PCI slot and connect TV to it through the d-sub for watching DivX video from my computer?

If PCI card is single head, you will have to disable any on-motherboard graphics output first. Then the TV will become the computer display.

If it is dual head then you can show divx in second display and control computer in first display.

I have P3-750, 512 mb ram.

by today's standards:-

- (1) slow CPU
- (2) small memory

Still probably OK for divx video if nothing else running on PC at the time. For XviD the authors say anything less than a Pentium 300MHz is likely to encounter problems with skipping. You should be OK.

Best regards,

Dima

And to you.