

Re: HDMI detects lower resolution than VGA

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.mediacenter/2007-01/msg00101.html>

- *From:* "JW" <nospam@xxxxxxx>
 - *Date:* Mon, 1 Jan 2007 19:41:16 -0800
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Don't bother with the shelf timings worry only about the resolution itself which should be 1280x720@60Hz or 1360x768@ 60Hz not 1366 since it is not divisable by 8

"Alex Marti" <AlexMarti@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message <news:484AC76B-05BD-4A44-91DE-0EC7CE009792@xxxxxxxxxxxxxxxxxxxx>

You are right, JW. For some reason I overlooked those NVIDIA options when connected through HDMI. Now I see that the NVIDIA display shows the monitor model as "32LB132B5", and allows to configure the following resolutions:
720x480 (60Hz) – this works
720x1280 (60Hz) – not working
768x1366 (60Hz) – not working
1720x2188 (7Hz) – not working
In my understanding, those that are not working seem to be defined wrongly (shouldn't be 1366x768 instead of 768x1366 ??).

Also, as you say, there is an "Advanced Timing" button to customize resolutions and refresh rates (with a disclaimer that using this utility may cause system damage and void warranties). The list of timing modes available do not include something similar to 1366x768. It is possible to choose one of the following standards: CVT-RB, CVT, DMT, GTF. It is also possible to select "Custom values", where must define the front portal, back portal, horizontal/vertical sync polarity, active end*, Sync width*, and Vertical Refresh rate, for both the horizontal pixels and vertical lines. (*Note that some of the labels may not be accurate because I'm translating from spanish.)

Honestly, I haven't tried yet to set with the advanced timing, because I'm not sure about the meaning of everything. If I need to set the values in the advanced timing:
– how can I be sure that the values I put make sense?

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– what could happen if the values are wrong? will I loose the image? how will I recover it to continue trying?

Thanks,
alex.

The options available in the "Advanced Timing" are similar to what is explained in NVIDIA.com under the question "How do I setup my NVIDIA based card to work with my HDTV?". See:

http://nvidia.custhelp.com/cgi-bin/nvidia.cfg/php/enduser/std_adp.php?p_faqid=36&p_created=1096923831&

"JW" wrote:

Using the NVIDIA Contorl Panel in Advanced mode are you able to set the resolution using the "custom timings" option?

"Alex Marti" <Alex Marti@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
<news:2E465A7B-2C8C-40F6-AA65-5F6B52E04B9E@xxxxxxxxxxxxxxxxxxxx>

Hello,

I connected my brand new HP PAVILION Slimline Media Center S7630.es to my quite new LCD TV THOMSON 32LB132B5.

Initially, I setup everything through the VGA connection in my TV: The NVIDIA GeForce 7500 LE provides only a DVI output connector, and HP provides an adaptor DVI-VGA in the box, so I used a VGA-VGA cable to connect PC and TV.

Until here the system worked great, with a resolution of 1360x768 and 32bits color.

Then, I wanted to use the digital connection of my TV (it is HD-ready with HDMI-HDCP), so I bought a cable with DVI-D to HDMI, and connected PC and TV directly with this cable and started to get unexpected results:

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1. with the first start, Windows XP detected the TV as a default plug&play monitor, with low resolution and 4bits color...
2. I updated the NVIDIA software to the current ForceWare 91.32.
3. Now, the detection has improved to a default plug&play monitor, with a 800x600 and 32bits color.
I checked the list of all available modes, but it is too short: cannot select anything beyond 800x600.
Another thing I noticed in this setup, is that the nView Desktop Manager is not available.

I checked in <http://tv.thomson-europe.com/en/Services.html> and found no drivers or additional software to update.
The specifications of the TV detail that the screen resolution is WXGA (1366x768).
The NVIDIA video BIOS version is 5.72.22.43.30.

What else could I do to make the system work with the HDMI at the native TV resolution?

Thanks for your help, and happy new year.

alex.