

## **WO5 - Multi output Essentials**

**All outputs MUST come from one card.**

WATCHOUT 5 Multi output ONLY works with one graphics output card.

That one graphics card may have up to six outputs provided the graphics card vendor

includes driver support for multiple outputs under DirectX in 3D mode.

**Performance of this is HIGHLY dependent upon hardware chosen and the selected content.**

**All outputs also MUST be the same resolution AND refresh rate.**

This is not so much a limitation of WATCHOUT 5, this is inherent to the graphic card setup. Also related to keep the sync between the different outputs.

The AMD/ATi Radeon with EYEFINITY does support more than two outputs with WATCHOUT 5. Not all vendors do that. Preferably use the HD68xx/69xx-series for this.

With NVidia, maximum number of outputs from one card seems to be 3, at the moment, depending on card chosen. NVidia NVS series will not do, they lack sufficient DirectX acceleration for WATCHOUT-use.

Same thing with AMD FireMV and Matrox M91xx-series.

Irrespectively the number of connectors, DisplayPort or MiniDisplayPort, all outputs over two "legacy" connectors, VGA/DVI/HDMI, **MUST use ACTIVE DP/MiniDP-->DVI/HDMI adapters, passive will NOT work.**

**SOME EXAMPLES, not all tested by us:**

6 outputs:

<http://www.newegg.com/Product/Product.aspx?Item=N82E16814121430>

[http://www.asus.se/Graphics\\_Cards/AMD\\_Series/EAH6970\\_DCII2DI4S2GD5/](http://www.asus.se/Graphics_Cards/AMD_Series/EAH6970_DCII2DI4S2GD5/)

<http://www.newegg.com/Product/Product.aspx?Item=N82E16814121419>

5 outputs:

<http://www.gigabyte.eu/products/product-page.aspx?pid=3790#s>

<http://www.newegg.com/Product/Product.aspx?Item=N82E16814102929>

<http://www.newegg.com/Product/Product.aspx?Item=N82E16814102924>

<http://www.newegg.com/Product/Product.aspx?Item=N82E16814102938>

3 outputs:

[http://powercolor.com/Global/products\\_features.asp?id=342](http://powercolor.com/Global/products_features.asp?id=342) (SINGLE SLOT)

<http://www.newegg.com/Product/Product.aspx?Item=N82E16814102920>

*Maybe a bit weak, but cheap...*

AMD:s professional cards, FirePro, are an alternative, although somewhat more expensive:

<http://www.amd.com/us/products/workstation/graphics/ati-firepro-3d/Pages/ati-firepro-3d.aspx>

<http://www.newegg.com/Product/ProductList.aspx?Submit=ENE&N=100008333%2050001126&IsNodId=1&name=ATI>