

# WATCHOUT™

## WATCHOUT Display - GRAPHIC CARDS

Both higher end consumer (gaming) and workstation (professional) graphics cards can be used. It all comes down to your application, budget and needs of the project.

We usually recommend pro graphics card, like AMD FirePro W7100 or NVidia Quadro K5200  
Both can use optional frame-locking/sync cards, if needed, too. (Not available on consumer graphics cards)

BRAND	MODEL	OUTPUTS/RESOLUTION/RAM	SLOTS
<b>AMD PRO</b>	FirePro W9100	6 MiniDisplayPort, 4K, 16GB GDDR5	2
	FirePro W8100	4 DisplayPort, 4K, 8GB GDDR5	2
	FirePro W7100	4 DisplayPort, 4K, 8GB GDDR5	1
	FirePro S400	Sync-card for Framelock/Genlock	1
<b>AMD SEMI-PRO</b>	FirePro W5100	4 DisplayPort, SL/DL (4K), 4GB GDDR5	1
	FirePro W600	6 MiniDisplayPort, SL/DL (4K), 2GB GDDR5	1

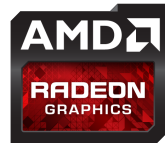


<http://www.amd.com/en-us/products/graphics/workstation/firepro-3d>

**ACTIVE** DisplayPort/MiniDisplayPort -> DVI/HDMI-adapters is required for all outputs above 2  
<http://www.accellcables.com/collections/adapters/DisplayPort>

### AMD Consumer (Radeon)

<i>ASUS</i>	R9 295X2	Usually 4, sometimes 5, depending on brand/model	2
<i>Club 3D</i>	R9 290X/290	Usually 4, depending on brand/model	2
<i>Gigabyte</i>	R9 280X/280	Usually 4, depending on brand/model	2
<i>MSI</i>			
<i>PowerColor</i>	HD6990 - older	Usually 4, sometimes 5, depending on brand/model	2
<i>Sapphire</i>	HD7970 - older	Usually 4, sometimes 6, depending on brand/model	2 to 3
<i>XFX</i>	HD6970 - older	Usually 4, sometimes 6, depending on brand/model	2 to 3



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Usually consumer cards has a mix of outputs like 2 DVI, 1 HDMI and 1 or 2 DP/MDP.  
4 simultaneous graphic outputs is a standard mix from these type of cards.

A MST-hub can be used to extend a DP/MDP 1.2 output into 3 DVI-SL outputs.  
<http://www.accellcables.com/collections/adapters/products/ultraav-displayport-1-2-mst-multi-display-hub>  
<http://www.accellcables.com/collections/adapters/products/ultraav-mini-displayport-1-2-mst-multi-display-hub>

<b>NVidia PRO</b>	Quadro K6000	2 DisplayPort/2 DVI-DL, 4K, 12GB GDDR5	2
	Quadro K5200	2 DisplayPort/2 DVI-DL, 4K, 8GB GDDR5	2
	Quadro K4200	2 DisplayPort/1 DVI-DL, 4K, 4GB GDDR5	1
	Quadro Sync	Sync-card for Framelock/Genlock	1



<http://www.nvidia.com/object/quadro-desktop-gpus.html>

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### NVidia Consumer (GeForce)

<i>ASUS</i>	GTX980	1 DVI-DL/1 HDMI/3 DisplayPort	2
<i>EVGA</i>	GTX970	1 DVI-DL/1 HDMI/3 DisplayPort	2
<i>Gigabyte</i>	TITAN	2 DVI-DL/1 HDMI/1 DisplayPort	2
<i>MSI</i>			
<i>PNY</i>	GTX780 - older	2 DVI-DL/1 HDMI/1 DisplayPort	2
<i>ZOTAC</i>	GTX690 - older	2 DVI-DL/1 HDMI/1 DisplayPort	2
	GTX680 - older	2 DVI-DL/1 HDMI/1 DisplayPort	2



<http://www.geforce.com/hardware/desktop-gpus>

**ACTIVE** DisplayPort/MiniDisplayPort -> DVI/HDMI-adapters is required for all outputs above 2  
<http://www.accellcables.com/collections/adapters/DisplayPort>

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