

5.2 Recent Non-Barco Display Controllers

Display controller	nVidia Quadro FX 380			nVidia Quadro FX 580			nVidia Quadro FX 1800			nVidia Quadro FX 3800		
Display family	Coronis	Nio	Clinical	Coronis	Nio	Clinical	Coronis	Nio	Clinical	Coronis	Nio	Clinical
- Supported displays	MDCG-2121 MDCG-2121 MDCG-3120 MDCC-6130	E-3620 MA ¹ MDNG-2121 MDNG-5121 ² MDNG-6121 MDNC-3121 MDNC-4130	MDRC-1119 MDRC-2120	MDCG-2121 MDCG-2121 MDCG-3120 MDCC-6130	E-3620 MA ¹ MDNG-2121 MDNG-5121 ² MDNG-6121 MDNC-4130*	MDRC-1119 MDRC-2120	MDCG-2121 MDCG-2121 MDCG-3120 MDCC-6130 MDMG-5121	E-3620 MA ¹ MDNG-2121 MDNG-5121 ² MDNC-3121 MDNC-4130 MDNG-6121	MDRC-1119 MDRC-2120	MDCG-2121 MDCG-2121 MDCC-6130 MDMG-5121	MDNG-6121 MDNC-3121	MDRC-1119 MDRC-2120
Supported Operating Systems	Windows XP SP3, Windows XP64 SP2, Windows Vista SP2			Windows XP SP3, Windows XP64 SP2, Windows Vista SP2			Windows XP SP3, Windows XP64 SP2, Windows Vista SP2			Windows XP SP3, Windows XP64 SP2, Windows Vista SP2		
Driver Version	v191.00			v191.00			v191.00			v191.00		
Display controller specifications												
- Bus interface	PCIe x16			PCIe x16			PCIe x16			PCIe x16		
- Memory Size	256 MB GDDR3			512 MB GDDR3			768 MB GDDR3			1GB GDDR3		
- LUT	32-bit in / 32-bit out			32-bit in / 32-bit out			32-bit in / 32-bit out			32-bit in / 32-bit out		
- Form Factor	Single Width, Full height			Single Width, Full height			Single Width, Full height			Single Width, Full height		
- Max. Displays per board	2			2			2			2		
- Power consumption	34W			40W			59W			108W		
- DisplayPort links	N/A			2			2			2		
- DVI links	2x Dual Link DVI-I			1x Dual Link DVI-I			1x Dual Link DVI-I			1x Dual Link DVI-I		
- DirectX Support	Yes (10.0)			Yes (10.0)			Yes (10.0)			Yes (10.0)		
- OpenGL Support	Yes (3.0)			Yes (3.0)			Yes (3.0)			Yes (3.1)		
Comments	¹ Display revision 07 required ² Display revision 02 required for CB Display revision 03 required for BB			¹ Display revision 07 required ² Display revision 02 required for CB Display revision 03 required for BB * MDNC-4130 is supported using 2 DVI cables with a single link DP adapter only (2x 1280x1600).			¹ Display revision 07 required ² Display revision 02 required for CB Display revision 03 required for BB			DDC is not functional via displayport on this board		

Display controller	nVidia Quadro FX 4800			nVidia Quadro NVS 295			ATI/AMD FirePro V3700			ATI/AMD FirePro V3750		
Display family	Coronis	Nio	Clinical	Coronis	Nio	Clinical	Coronis	Nio	Clinical	Coronis	Nio	Clinical
- Supported displays	MDCG-6130	MDNG-6121	MDRC-1119 MDRC-2120	MDCG-2121 MDCG-3120 DL MDCG-2121 MDCG-3120 MDMG-5121	E-3620 MA ¹ MDNG-2121 MDNG-5121 ² MDNC-3121* MDNC-4130	MDRC-1119 MDRC-2120	MDCG-2121 MDCG-3120 DL MDCG-2121 MDCG-3120	E-3620 MA MDNC-3121 MDNG-2121 MDNC-4130	MDRC-1119 MDRC-2120	MDCG-2121 MDCG-3120 DL MDCG-2121 MDCG-3120	E-3620 MA MDNC-3121 MDNG-2121 MDNC-4130	MDRC-1119 MDRC-2120
Supported Operating Systems	Windows XP SP3, Windows XP64 SP2, Windows Vista SP2			Windows XP SP3, Windows XP64 SP2, Windows Vista SP2			Windows XP SP3, Windows XP64 SP2, Windows Vista SP2			Windows XP SP3, Windows XP64 SP2, Windows Vista SP2		
Driver Version	v191.00			v191.00			v8.834			v8.634		
Display controller specifications												
- Bus interface	PCIe x16			PCIe x16			PCIe x16			PCIe x16		
- Memory Size	1,5GB GDDR3			256 MB GDDR3			256 MB GDDR3			256 MB GDDR3		
- LUT	32-bit in / 32-bit out			32-bit in / 32-bit out			32-bit in / 32-bit out			32-bit in / 32-bit out		
- Form Factor	Double height, double width			Small Form Factor			Single Width, Full height			Single Width, Full height		
- Max. Displays per board	2			2			2			2		
- Power consumption	150W			23W			35W			48W		
- DisplayPort links	2			2			N/A			2		
- DVI links	1x Dual Link DVI-I			N/A			2x Dual Link DVI-I			1x Dual Link DVI-I		
- DirectX Support	Yes (10.0)			Yes (10.0)			Yes (10.1)			Yes (10.1)		
- OpenGL Support	Yes (3.1)			Yes (3.0)			Yes (3.0)			Yes (3.0)		
Comments	DDC is not functional via displayport on this board			¹ Display revision 07 required ² Display revision 02 required for CB Display revision 03 required for BB * MDNC-4130 is supported using 2 DVI cables with a single link DP adapter only (2x 1280x1600).								

Display controller		ATI/AMD FirePro V8700		
Display family	Coronis	Nio	Clinical	
- Supported displays	MDCG-2121 MDCC-3120 DL MDCG-2121 MDCG-3120	MDNC-4130	MDRC-1119 MDRC-2120	
Supported Operating Systems	Windows XP SP3, Windows XP64 SP2, Windows Vista SP2			
Driver Version	v8.634			
Display controller specifications				
- Bus interface	PCIe x16			
- Memory Size	1 GB GDDR5			
- LUT	32-bit in / 32-bit out			
- Form Factor	Single Width, Full height			
- Max. Displays per board	2			
- Power consumption	151W			
- DisplayPort links	2			
- DVI links	1x Dual Link DVI-I			
- DirectX Support	Yes (10.1)			
- OpenGL Support	Yes (3.0)			
Comments				

5.3 Legacy Non-Barco Display Controllers

Display controller	nVidia Quadro FX 570			nVidia Quadro FX 3500			nVidia Quadro FX 5500			nVidia Quadro FX 1700		
	Coronis	Nio	Clinical	Coronis	Nio	Clinical	Coronis	Nio	Clinical	Coronis	Nio	Clinical
Display family												
- Supported displays	MDC-2121 MDC-3120 DL MDCG-2121 MDCG-3120	E-2320C SE * MDNC-3120 E-2621 MA ** E-3620 MA *** MDNG-5121 MA****		MDC-2121 MDC-3120 DL MDCG-2121 MDCG-3120 MDC-6130	E-2320C SE MDNC-3120 E-2621 MA * E-3620 MA ** E-5620 *** MDNG-5121 MA **** MDNC-4130		MDC-2121 MDC-3120 DL MDCG-2121 MDCG-3120 MDC-6130	E-2320C SE MDNC-3120 E-2621 MA * E-3620 MA ** E-5620 *** MDNG-5121 MA **** MDNC-4130		MDC-2121 MDC-3120 DL MDCG-2121 MDCG-3120 MDC-6130 ²	E-2320C SE * MDNC-3120 E-2621 MA ** E-3620 MA *** MDNG-5121 MA**** MDNC-4130	
Supported Operating Systems	Windows XP, Windows XP64			Windows XP, Windows XP64			Windows XP, Windows XP64			Windows XP, Windows XP64		
Driver Version	v162.65			v162.65			v162.65			v162.65		
Display controller specifications												
- Bus interface	PCIe x16			PCIe x16			PCIe x16			PCIe x16		
- Memory Size	256 MB DDR2			256 MB DDR2			256 MB DDR2			256 MB DDR2		
- LUT	32-bit in / 32-bit out			32-bit in / 32-bit out			32-bit in / 32-bit out			32-bit in / 32-bit out		
- Form Factor	Single Width, Full height			Single Width, Full height			Double height, double width			Single Width, Full height		
- Max. Displays per board	2			2			2			2		
- Power consumption	38W			80W			96W			42W		
- DisplayPort links	N/A			N/A			N/A			N/A		
- DVI links	2x Dual Link DVI-I			2x Dual Link DVI-I			2x Dual Link DVI-I			2x Dual Link DVI-I		
- DirectX Support	Yes (9.0)			Yes (9.0)			Yes (9.0)			Yes (10.0)		
- OpenGL Support	Yes (2.0)			Yes (2.0)			Yes (2.0)			Yes (2.0)		
Comments	* E-2320C SE only possible in landscape ** Display revision 04 required *** Display revision 07 required **** Display revision 02 required for CB **** Display revision 03 required for BB			* Display revision 04 required ** Display revision 07 required *** E-5620 only supported in portrait mode **** Display revision 02 required for CB **** Display revision 03 required for BB			* Display revision 04 required ** Display revision 07 required *** E-5620 only supported in portrait mode **** Display revision 02 required for CB **** Display revision 03 required for BB			* E-2320C SE only possible in landscape ** Display revision 04 required *** Display revision 07 required **** Display revision 02 required for CB **** Display revision 03 required for BB ² Driver version 175.51 required		

Display controller	nVidia Quadro FX 3700			ATI FireMV 2200			ATI FireMV 2250		
	Coronis	Nio	Clinical	Coronis	Nio	Clinical	Coronis	Nio	Clinical
Display family									
- Supported displays	MDC-2121 MDC-3120 DL MDCG-2121 MDCG-3120 MDC-6130 ²	E-2320C SE * MDNC-3120 E-2621 MA ** E-3620 MA *** MDNG-5121 MA**** MDNC-4130		MDC-2121 MDC-3120 DL MDCG-2121 MDCG-3120	E-2320C SE MDNC-3120 E-2621 MA E-3620 MA		MDC-2121 MDC-3120 DL MDCG-2121 MDCG-3120	E-2320C SE MDNC-3120 E-2621 MA E-3620 MA	
Supported Operating Systems	Windows XP, Windows XP64			Windows XP			Windows XP, Windows XP64		
Driver Version	v176.04 (performance driver)			v8.253.200.1			v8.401		
Display controller specifications									
- Bus interface	PCIe x16			PCI 32-bit (33MHz)			PCIe x1 / PCIe x16		
- Memory Size	512 MB GDDR3			64 MB DDR			256 MB DDR2		
- LUT	32-bit in / 32-bit out			32-bit in / 32-bit out			32-bit in / 32-bit out		
- Form Factor	Single Width, Full height			Small Form Factor			Small Form Factor		
- Max. Displays per board	2			2			2		
- Power consumption	78W			< 25W			< 25W		
- DisplayPort links	N/A			N/A			N/A		
- DVI links	2x Dual Link DVI-I			2x Single Link DVI			2x Single Link DVI		
- DirectX Support	Yes (10.0)			Yes (9.0)			Yes (9.0)		
- OpenGL Support	Yes (2.0)			Yes (2.0)			Yes (2.0)		
Comments	* E-2320C SE only possible in landscape ** Display revision 04 required *** Display revision 07 required **** Display revision 02 required for CB **** Display revision 03 required for BB								

Display controller	nVidia Quadro NVS 280			nVidia Quadro NVS 285			nVidia Quadro NVS 290			nVidia Quadro FX 370		
	Coronis	Nio	Clinical	Coronis	Nio	Clinical	Coronis	Nio	Clinical	Coronis	Nio	Clinical
Display family												
- Supported displays	MDCG-2121 MDCC-3120 DL MDCG-2121 MDCG-3120	E-2320C SE MDNC-3120 E-2621 MA * E-3620 MA ** E-5620 *** MDNG-5121 MA****		MDCG-2121 MDCC-3120 DL MDCG-2121 MDCG-3120	E-2320C SE MDNC-3120 E-2621 MA * E-3620 MA ** E-5620 *** MDNG-5121 MA****		MDCG-2121 MDCC-3120 DL MDCG-2121 MDCG-3120	E-2320C SE MDNC-3120 E-2621 MA * E-3620 MA ** E-5620 *** MDNG-5121 MA****		MDCG-2121 MDCC-3120 DL MDCG-2121 MDCG-3120	E-2320C SE * MDNC-3120 E-2621 MA ** E-3620 MA *** MDNG-5121 MA****	
Supported Operating Systems	Windows XP, Windows XP64			Windows XP, Windows XP64			Windows XP, Windows XP64			Windows XP, Windows XP64		
Driver Version	v162.50			v162.50			v162.50			v162.65		
Display controller specifications												
- Bus interface	PCI 32-bit (33MHz)			PCIe x1 / PCIe x16			PCIe x1 / PCIe x16			PCIe x16		
- Memory Size	128 MB DDR			128 MB DDR			256 MB DDR2			256 MB DDR2		
- LUT	32-bit in / 32-bit out			32-bit in / 32-bit out			32-bit in / 32-bit out			32-bit in / 32-bit out		
- Form Factor	Small Form Factor			Small Form Factor			Small Form Factor			Single Width, Full height		
- Max. Displays per board	2			2			2			2		
- Power consumption	12W			18W			21W			35W		
- DisplayPort links	N/A			N/A			N/A			N/A		
- DVI links	2x Single Link DVI			2x Single Link DVI			2x Single Link DVI			2x Dual Link DVI-I		
- DirectX Support	Yes (9.0)			Yes (9.0)			Yes (9.0)			Yes (9.0)		
- OpenGL Support	Yes (2.0)			Yes (2.0)			Yes (2.0)			Yes (2.0)		
Comments	* Display revision 04 required ** Display revision 07 required *** E-5620 only supported in portrait mode **** Display revision 02 required for CB **** Display revision 03 required for BB			* Display revision 04 required ** Display revision 07 required *** E-5620 only supported in portrait mode **** Display revision 02 required for CB **** Display revision 03 required for BB			* Display revision 04 required ** Display revision 07 required *** E-5620 only supported in portrait mode **** Display revision 02 required for CB **** Display revision 03 required for BB			* E-2320C SE only possible in landscape ** Display revision 04 required *** Display revision 07 required **** Display revision 02 required for CB **** Display revision 03 required for BB		