



Hardware solutions for PACS supported by Barco & HP



Windows 7 Support

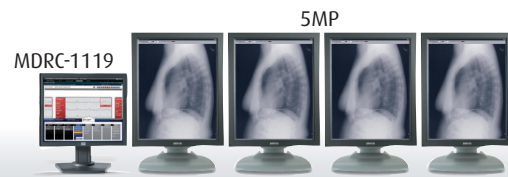
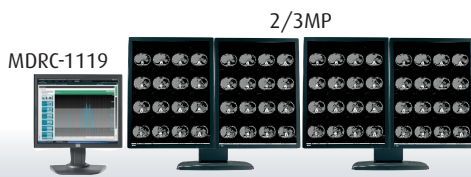
Visually intensive medical applications (PACS) require professional quality workstations, as consumer-grade systems may not meet the power, cooling or reliability specifications demanded by your customers and clients.

Using the proper workstation ensures optimal performance of your Barco display systems. The following models have been tested and validated to work properly with Barco's imaging products.



Dual-head (2/3/5MP) grayscale displays with navigational display

Slot	Z420	Graphics Card		Z620	Graphics Card		Z820	Graphics Card	
		Option 1	Option 2		Option 1	Option 2		Option 1	Option 2
1	PCIe2 x4 (x1)		MXRT-1450	PCIe2 x4 (x1) ¹			PCIe3 x8 (x4)		
2	PCIe3 x16	MXRT-5500	MXRT-5550	PCIe3 x16	MXRT-5500	MXRT-7500	PCIe3 x16	MXRT-5500	MXRT-7500
3	PCIe x8 (x4)			PCIe2 x8 (x4)			PCIe3 x16 (x8)		
4	PCIe3 x4			PCIe3 x8			PCIe3 x16		
5	PCIe3 x16			PCIe3 x16			PCIe2 x8 (x4)		
6	PCI 32/33			PCI 32/33			PCIe3 x16		
7							PCI 32/33		

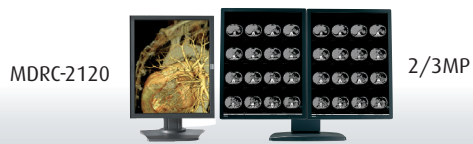


Quad-head (2/3/5MP) grayscale displays with navigational display

Slot	Z420	Graphics Card		Z620	Graphics Card		Z820	Graphics Card	
		Option 1	Option 2		Option 1	Option 2		Option 1	Option 2
1	PCIe2 x4 (x1)		MXRT-1450	PCIe2 x4 (x1) ¹			PCIe3 x8 (x4)		MXRT-1450
2	PCIe3 x16	MXRT-5500	MXRT-5550	PCIe3 x16	MXRT-5500	MXRT-7500	PCIe3 x16	MXRT-5500	MXRT-7500
3	PCIe x8 (x4)			PCIe2 x8 (x4)			PCIe3 x16 (x8)		
4	PCIe3 x4			PCIe3 x8			PCIe3 x16	MXRT-5500	
5	PCIe3 x16	MXRT-5500	MXRT-5550	PCIe3 x16	MXRT-5500	MXRT-1450	PCIe2 x8 (x4)		
6	PCI 32/33			PCI 32/33			PCIe3 x16		
7							PCI 32/33		

¹ Slot unusable





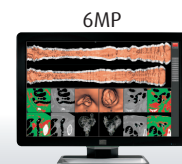
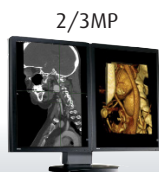
Dual-head grayscale (2/3/5MP) displays with **3D** navigational display

Slot	Z420	Graphics Card		Z620	Graphics Card		Z820	Graphics Card	
		Option 1	Option 2		Option 1	Option 2		Option 1	Option 2
1	PCIe2 x4 (x1)		MXRT-1450	PCIe2 x4 (x1) ¹			PCIe3 x8 (x4)		
2	PCIe3 x16	MXRT-5500	MXRT-5550	PCIe3 x16	MXRT-5500	MXRT-7500	PCIe3 x16	MXRT-5500	MXRT-7500
3	PCIe x8 (x4)			PCIe2 x8 (x4)			PCIe3 x16 (x8)		
4	PCIe3 x4			PCIe3 x8			PCIe3 x16		
5	PCIe3 x16			PCIe3 x16			PCIe2 x8 (x4)		
6	PCI 32/33			PCI 32/33			PCIe3 x16		
7							PCI 32/33		



Quad-head (2/3/5MP) grayscale displays with **3D** navigational display

Slot	Z420	Graphics Card		Z620	Graphics Card		Z820	Graphics Card	
		Option 1	Option 2		Option 1	Option 2		Option 1	Option 2
1	PCIe2 x4 (x1)		MXRT-1450	PCIe2 x4 (x1) ¹			PCIe3 x8 (x4)		
2	PCIe3 x16	MXRT-5500	MXRT-5550	PCIe3 x16	MXRT-5500	MXRT-5550	PCIe3 x16	MXRT-7500	MXRT-7500
3	PCIe x8 (x4)			PCIe2 x8 (x4)		MXRT-1450	PCIe3 x16 (x8)		
4	PCIe3 x4			PCIe3 x8			PCIe3 x16	MXRT-5500	MXRT-7500
5	PCIe3 x16	MXRT-5500	MXRT-5550	PCIe3 x16	MXRT-5500	MXRT-5550	PCIe2 x8 (x4)		
6	PCI 32/33			PCI 32/33			PCIe3 x16		
7							PCI 32/33		



Dual-head (2/3MP) **color** and single-head Fusion (4MP/6MP) **color** displays

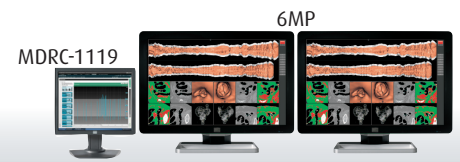
Slot	Z420	Graphics Card		Z620	Graphics Card		Z820	Graphics Card	
		Option 1	Option 2		Option 1	Option 2		Option 1	Option 2
1	PCIe2 x4 (x1)			PCIe2 x4 (x1) ¹			PCIe3 x8 (x4)		
2	PCIe3 x16	MXRT-2500	MXRT-5500	PCIe3 x16	MXRT-2500	MXRT-5500	PCIe3 x16	MXRT-2500	MXRT-5500
3	PCIe x8 (x4)			PCIe2 x8 (x4)			PCIe3 x16 (x8)		
4	PCIe3 x4			PCIe3 x8			PCIe3 x16		
5	PCIe3 x16			PCIe3 x16			PCIe2 x8 (x4)		
6	PCI 32/33			PCI 32/33			PCIe3 x16		
7							PCI 32/33		

¹ Slot unusable



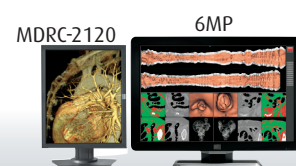
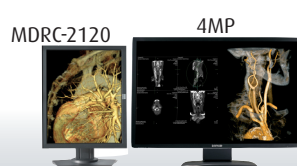
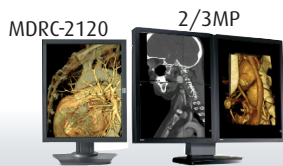
Dual-head (2/3MP) **color** and single-head Fusion (4/6MP) **color** displays with navigational display

Slot	Z420	Graphics Card		Z620	Graphics Card		Z820	Graphics Card	
		Option 1	Option 2		Option 1	Option 2		Option 1	Option 2
1	PCIe2 x4 (x1)		MXRT-1450	PCIe2 x4 (x1) ¹			PCIe3 x8 (x4)		
2	PCIe3 x16	MXRT-5500	MXRT-5550	PCIe3 x16	MXRT-5500	MXRT-7500	PCIe3 x16	MXRT-5500	MXRT-7500
3	PCIe x8 (x4)			PCIe2 x8 (x4)			PCIe3 x16 (x8)		
4	PCIe3 x4			PCIe3 x8			PCIe3 x16		
5	PCIe3 x16			PCIe3 x16			PCIe2 x8 (x4)		
6	PCI 32/33			PCI 32/33			PCIe3 x16		
7							PCI 32/33		



Quad-head (2/3MP) **color** and dual-head Fusion (4/6MP) **color** displays with navigational display

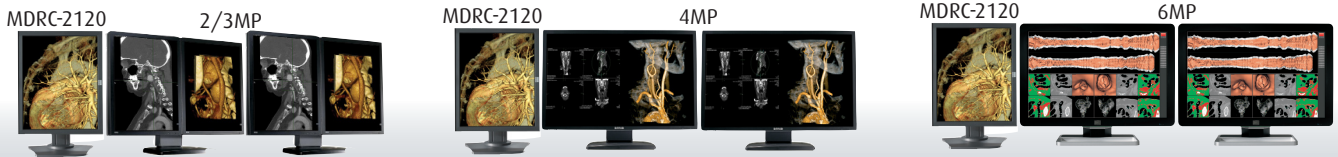
Slot	Z420	Graphics Card		Z620	Graphics Card		Z820	Graphics Card	
		Option 1	Option 2		Option 1	Option 2		Option 1	Option 2
1	PCIe2 x4 (x1)		MXRT-1450	PCIe2 x4 (x1) ¹			PCIe3 x8 (x4)		MXRT-1450
2	PCIe3 x16	MXRT-5500	MXRT-5550	PCIe3 x16	MXRT-5500	MXRT-7500	PCIe3 x16	MXRT-5500	MXRT-7500
3	PCIe x8 (x4)			PCIe2 x8 (x4)		MXRT-1450	PCIe3 x16 (x8)		
4	PCIe3 x4			PCIe3 x8			PCIe3 x16	MXRT-5500	
5	PCIe3 x16	MXRT-5500	MXRT-5550	PCIe3 x16	MXRT-5500		PCIe2 x8 (x4)		
6	PCI 32/33			PCI 32/33			PCIe3 x16		
7							PCI 32/33		



Dual-head (2/3MP) **color** or single-head Fusion (4/6MP) **color** displays with **3D** navigational display

Slot	Z420	Graphics Card		Z620	Graphics Card		Z820	Graphics Card	
		Option 1	Option 2		Option 1	Option 2		Option 1	Option 2
1	PCIe2 x4 (x1)		MXRT-1450	PCIe2 x4 (x1) ¹			PCIe3 x8 (x4)		
2	PCIe3 x16	MXRT-5500	MXRT-5550	PCIe3 x16	MXRT-5500	MXRT-7500	PCIe3 x16	MXRT-7500	MXRT-5500
3	PCIe x8 (x4)			PCIe2 x8 (x4)			PCIe3 x16 (x8)		
4	PCIe3 x4			PCIe3 x8			PCIe3 x16		
5	PCIe3 x16			PCIe3 x16			PCIe2 x8 (x4)		
6	PCI 32/33			PCI 32/33			PCIe3 x16		
7							PCI 32/33		

¹ Slot unusable



Quad-head (2/3MP) color or dual-head Fusion (4/6MP) color displays with 3D navigational display

Slot	Z420	Graphics Card		Z620	Graphics Card		Z820	Graphics Card	
		Option 1	Option 2		Option 1	Option 2		Option 1	Option 2
1	PCIe x4 (x1)		MXRT-1450	PCIe2 x4 (x1) ¹			PCIe3 x8 (x4)		
2	PCIe3 x16	MXRT-5500	MXRT-5550	PCIe3 x16	MXRT-5500	MXRT-7500	PCIe3 x16	MXRT-5500	MXRT-7500
3	PCIe x8 (x4)			PCIe2 x8 (x4)			PCIe3 x16 (x8)		
4	PCIe3 x4			PCIe3 x8			PCIe3 x16		
5	PCIe3 x16	MXRT-5500	MXRT-5550	PCIe3 x16	MXRT-5500	MXRT-5500	PCIe2 x8 (x4)	MXRT-5500	MXRT-7500
6	PCI 32/33			PCI 32/33			PCIe3 x16		
7							PCI 32/33		

Workstation and Display Controller Specifications

MXRT-5550



MXRT-5500



MXRT-7500



MXRT-2500



MXRT-1450



Display Controller	Part Number	Bus Type	Power
MXRT-2500	K9306035	PCIe x16	43 W
MXRT-5500	K9306036	PCIe x16	75 W
MXRT-5550	K9306040	PCIe x16	75 W
MXRT-7500	K9306037	PCIe x16	140 W
MXRT-1450	K9305043	PCIe x1	15 W



Z420

Z620

Z820

Workstation	Power Supply
Z420	600 W
Z620	800 W
Z820	850 W or 1125 W

BARCO

Visibly yours