MXRT-5600

3D PCIe 4-head mid-range display controller

With the high-performance MXRT-5600 display controller, you can drive up to four monitors with just one PCIe slot. This makes it a perfect match for PACS workstations combining two diagnostic displays with additional displays for patient lists or 3D viewing applications. The MXRT-5600 is compatible with the DisplayPort interface standard, which assures easy installation and ultra-fast and reliable data transfers.

What's more, Barco's MXRT display controllers work wonderfully together with these productivity tools:

· **Conference CloneView™**: for accurate projection of medical images onto a large-screen display. The software tool ensures effortless cloning, scaling, zooming and panning of images.
· **DimView™**: automatically dims the auxiliary displays used for patient worklists or dictation, reducing peripheral ambient light.
· **SpotView™**: enables focused observation by dimming images outside a circular region of interest and boosting luminance and contrast. With the integrated SpotView Mag magnifier, you can even enhance the focal spot by two.
· **FindCursor™**: helps you to quickly locate the cursor on a system with multiple displays.
· **SingleView™**: makes it possible to use the entire display as one display while eliminating any tearing down the center, resulting in a more flexible desktop.

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· **Application Appearance Manager**: which allows you to set all windows of specified applications to the desired luminance or color profile.
· **VirtualView**: which allows you to use a virtual display with a display number, so you get an additional display without the additional cost.
· **SmartCursor**: which prevents the cursor from getting stuck in certain areas on a multi-resolution system.

Product specifications	MXRT-5600
Bus compatibility	PCIe Gen3 x16
Power consumption	75 W
Form factor	184.15 mm (7.2")(L) x 111 mm (4.4") (H) single PCIe slot wide
Operating system	Windows 7 - 32/64-bit, Windows 8.1 64-bit, Windows 10 64-bit
Platforms	Intel® and AMD architectures
Graphics accelerator	ATI FirePro TM
Display memory	4 GB GDDR5
Memory interface	128-bit
Memory bandwidth	96 GB/s
Pixel depth	32-bit pixels (supports 8-bit and 10-bit per color channel)
Electrical standard	DisplayPort (DP) complying to v1.2
Direct3D hardware support	Microsoft® DirectX v11.2, Vertex Shader 5.0, Pixel Shader 5.0
OpenGL hardware support	OpenGL 4.4
OpenCL hardware support	OpenCL 2.0
Connectors	4- DisplayPort (DP)
Supported resolutions	Up to 5.8MP color/gray at full refresh rate (VGA at boot-up)
Approvals and compliance	FCC Part 15 Class B, EN 55022 Limit B, EN 55024, UL-60950-1, BMSI CNS, CISPR-22/24, IEC60950-1, VCCI, CSA C22.2, EU RoHS directive (2011/65/EC), Certificate of Information & Communication Equipment (Republic of Korea), CAN ICES-3(B)/NMB-3(B)
Operational temperature	0° to 45°C
Connectivity	Native DisplayPort suggested Single-link DisplayPort or Dual-link DisplayPort to DVI-I adaptor available separately from Barco

Last updated: 27 Sep 2016