MXRV-3100

4GB small form factor display controller



- **NVIDIA accelerated computing platform**
- **4GB DDR6 display memory**
- **96 GB/s memory bandwidth**
- **4 x Mini-DisplayPort 1.4 (mDP to DP locking adapters included)**
- **Maximum power consumption: 50W**
- **5-year all-inclusive warranty and service support**

Compact performance, seamless reliability

With its small size of 69mm x 163 mm, the Barco MXRV-3100 is a low-profile, single-slot graphics card designed for reliable performance in compact workstations. Featuring 4GB of high-speed DDR6 memory, it delivers smooth rendering and robust compatibility with OpenGL 4.6 and DirectX 12.

Powered by an NVIDIA accelerated computing platform, the MXRV-3100 graphics card offers an easy way to step into the AI ecosystem and run edge applications on your Barco diagnostic display.

With native DisplayPort support, no external power connector required, and full support for Windows 10/11, this medical-grade graphics card is ideal for streamlined imaging workflows including Barco's Intuitive Workflow Tools. Backed by Barco's 5-year all-inclusive warranty, it ensures peace of mind and long-term value.

Product specifications	MXRV-3100
General specifications	
Bus compatibility	PCI Express Gen4 x8
Power consumption	50 Watt
Form factor	2.713 inches x 6.137 inches, single-slot
Operating system	Windows 10/11 & Linux drivers, 64–bit
Platforms	Intel® and AMD architectures
Power Connector	No external power connectors
Graphics accelerator	NVIDIA® Ampere® GA107
Display memory	GDDR6 4GB
Memory bandwidth	96 GB/s
Pixel depth	32-bit pixels (supports 8-bit and 10-bit per color channel)
Electrical standard	DisplayPort v1.4 (uncompressed)
Direct3D hardware support	DirectX 12.07, Shader Model 5.17, Vulkan 1.2
OpenGL hardware support	OpenGL 4.6
Connectors	4x Mini DisplayPort
Connectivity	Native DisplayPort suggested, DisplayPort to Single-link DVI adapter available separately
Operational temperature	0° to 50°C ambient

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