AMD FirePro™ SDI-Link

THE INDUSTRY'S CHOICE FOR GPU-ACCELERATED PROFESSIONAL VIDEO PIPELINES

Key Features:

> **Fully supports the new AMD FirePro™ V7900 SDI professional graphics card**

> **Enables ultra-low-latency, high-throughput system performance via AMD DirectGMA (Graphics Memory Addressing) technology**

> **Robust support for 3G SDI and other advanced signaling standards via third-party SDI I/O hardware compatibility and certification[1]**

> **Extensive support for advanced APIs such as OpenCL™ 1.1, OpenGL 4.2 and DirectX® 11**

> **Highly scalable for advanced, synchronized multi-stream applications**

> **Superior price/performance and value for OEMs, integrators and end-users**

Introducing AMD FirePro™ SDI-Link – the next platform for GPU acceleration powering live/on-air broadcast graphics and real-time video production/post-production pipelines.

AMD FirePro™ SDI-Link offers the required functionality and compatibility for today's integrated solutions powering 3D virtual sets, live sports and news graphics, video encoding and transcoding, on-set 3D VFX previz and professional video pipelines making use of the serial digital interface (SDI) video signal standard.

Built around an open-computing philosophy and close technology partnerships with leading SDI I/O PCIe card vendors, AMD FirePro™ SDI-Link equips OEMs and system integrators with powerful new options for flexibility and functionality when designing cost-effective, integrated technology solutions for their customers in broadcast, digital media production and post-production.

Leading video technology vendors are working closely with AMD to ensure compatibility with the AMD FirePro™ SDI-Link ecosystem for a broad range of applications requiring low-latency GPU acceleration and comprehensive SDI video I/O functionality.

AMD FirePro™ SDI-Link includes broad and comprehensive support for the latest SDI signal formats including 3G SDI, as well as HDMI, AES-EBU digital audio, advanced SDI metadata, integrated RS-422 and GPIO transport control, and flexible support for 3D-stereographic 2K and 4K configurations.[2]

AMD FirePro™ SDI-Link is the evolution of GPU technology for broadcast graphics and real-time video pipelines.

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THE PROFESSIONALS' CHOICE

"Bluefish444 customers have been demanding this type of collaboration between Bluefish444 and AMD for years. Until the advent of low latency transfer between our devices, Bluefish444 customers had to compromise on the amount and quality of real-time accelerated graphics they could SDI I/O using Epoch video cards. Now, between Bluefish444 and AMD we can offer the highest quality SDI I/O and the highest quality GPU accelerated graphics, all at an ultra low latency transfer between our respective products."

– Craige Mott,
Managing Director of Bluefish444
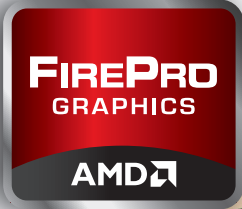
AMD FIREPRO™ SDI-LINK

FEATURES	BENEFITS
Support for the AMD FirePro™ V7900 SDI professional graphics card with AMD DirectGMA technology	Low-latency, high throughput GPU acceleration for real-time professional video and broadcast graphics pipelines
Support for industry-standard APIs such as OpenCL™ 1.1, OpenGL 4.2 and DirectX® 11	Maximum portability, flexibility and performance for software design
Easy to implement AMD FirePro™ SDI-Link SDK (software development kit) and related AMD global technical support	Short development time for integrated solutions built on the AMD FirePro™ SDI-Link platform
Integrated support for advanced SDI signal functionality including: 3G, multistream/3Dstereo, Dual-link, AES-EBU audio (embedded and discrete), and RS-422 and GPIO control[1]	Maximum compatibility with existing advanced SDI-centric pipelines and environments

1 Third-party SDI I/O board certification program is in development. Please
   refer to AMD FirePro™ SDI-Link web page for the up-to-date list of certifications.

2 Features of third-party SDI I/O board vary; please confirm specifications with
   manufacturer before purchase.

AMD