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Introducing AMD Software: Adrenalin Edition 2022 Release and AMD FidelityFX Super Resolution 2.0 – Delivering High-Performance and Visually Stunning Gaming Experiences

– New AMD Software release includes AMD Radeon™ Super Resolution driver-based upscaling technology that unleashes significant performance improvements and is compatible with thousands of games, and other new capabilities to improve gaming experiences –

– The next evolution of AMD FidelityFX™ Super Resolution technology will feature advanced temporal upscaling capability that boosts framerates with beautiful image quality –

SANTA CLARA, Calif., March 17, 2022 (GLOBE NEWSWIRE) -- AMD (NASDAQ: AMD) today announced the AMD Software: Adrenalin Edition 2022 release, the latest addition to the AMD Software suite, and the next generation of the popular and widely adopted AMD FidelityFX Super Resolution upscaling technology, elevating gameplay to new levels of performance, responsiveness and visual fidelity.

The latest AMD Software release brings advanced and innovative capabilities to unlock the full potential of gaming experiences on AMD-powered systems. It features AMD Radeon Super Resolution (RSR) technology, a new driver-based upscaling technology that delivers increased performance with high-quality visuals and is compatible with thousands of games. It also includes an updated AMD Link[1] application, enabling users to turn their gaming PC into a personal gaming cloud and host local multiplayer games with friends connecting from almost anywhere. In addition, AMD Radeon Image Sharpening (RIS) now includes support to enhance visuals for video playback and web applications in addition to games.

Expected to be available in Q2 2022, AMD FidelityFX Super Resolution (FSR) 2.0 technology uses temporal data and optimized anti-aliasing to boost framerates in supported games while delivering similar or better image quality than native resolution without requiring dedicated machine learning hardware. Like the first version of AMD FSR, AMD FSR 2.0 works across many different models of AMD and competitor GPUs, delivering incredible performance and image quality.

“Great hardware demands exceptional software. AMD’s latest Adrenalin Edition software arms gamers with reliability, day-0 support for new games as they launch, and regular performance enhancements, including up to a 15-percent gaming performance uplift compared to last year’s release[2],” said Frank Azor, chief architect of Gaming Solutions at AMD. “FSR 2.0 infuses new life into current-generation graphics cards, bolstering performance and delivering next-level immersive experiences. These technologies make

games come alive, and we will continue to deliver powerful and innovative features and capabilities that push the boundaries of high-performance, immersive gaming."

High-Performance, Incredible Visuals & Immersive Experiences

AMD Software: Adrenalin Edition is designed to deliver fast, responsive gaming and incredible visuals for a gaming experience like no other. Combined with familiar features like AMD FreeSync™ technology, AMD Radeon Anti-Lag, and AMD Radeon Boost, AMD Software: Adrenalin Edition introduces a number of new and enhanced capabilities, including:

- **AMD Radeon Super Resolution (RSR) Technology** – RSR is an in-driver spatial upscaling feature that is built on the same algorithm as AMD FidelityFX Super Resolution technology. It delivers near-native resolution and increased performance in games that run in exclusive full screen mode on AMD RDNA™ architecture-based discrete graphics, and is compatible with thousands of games.
- **AMD Link** – Updated **AMD Link Play** feature now allows up to four users to connect to an AMD Radeon graphics-powered PC from an Android- or Windows-based PC, phone, tablet or TV to play local multiplayer games. The application is also introducing customizable hotkeys, allowing gamers to use their device as a secondary controller for their PC. AMD Link is now accessible from the Microsoft store and can be downloaded as a standalone application on non-AMD based PCs, inviting an even wider range of users and hardware to join a personal gaming cloud.
- **Radeon Image Sharpening (RIS)** – Bringing crispness and clarity to in-game visuals that have been softened by upscaling and post-process effects, the latest version of RIS can now be used to enhance visuals in video playback and other productivity applications with a single click.
- **Fast Downloads –** Save time and reduce the driver download size when updating AMD Software: Adrenalin Edition directly from the application, downloading and installing only the files that need updating on the PC.
- **Improved Toast Notifications** – Provides users with a clearer snapshot on which key features are enabled or disabled whenever they launch a game.

Next-Generation Upscaling Technology
AMD FidelityFX Super Resolution 2.0 is the next evolution of AMD's popular and widely adopted open-source, cross-platform original upscaling technology, which is already supported or coming soon in more than 80 games. FSR 2.0 boosts framerates in supported games by using previous frame data to provide similar or better than native image quality at all resolutions. Delivering incredible image quality without requiring dedicated machine learning hardware, FSR 2.0 supports a wide range of graphics products and platforms, including AMD and select competitor solutions. One of the first games to support FSR 2.0 is DEATHLOOP by Arkane Studios and Bethesda. A preview video of FSR 2.0 in DEATHLOOP is available here.

Availability

AMD Software: Adrenalin Edition can be downloaded today from the AMD Drivers and Support page. AMD FidelityFX Super Resolution 2.0 is expected to be available in games beginning in Q2 2022. Additional details about FSR 2.0 will be revealed at the 2022 Game Developers Conference (GDC) on March 23.

Supporting Resources

- Lean more about the AMD Software: Adrenalin Edition here and here
- Learn more about AMD FidelityFX Super Resolution (FSR) 2.0 here
- Watch the “Introducing Radeon Super Resolution and FidelityFX Super Resolution 2.0” video here
- Watch the DEATHLOOP FSR 2.0 preview video here
- Follow AMD on LinkedIn
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About AMD

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Cautionary Statement

This press release contains forward-looking statements concerning Advanced Micro Devices, Inc. (AMD) including the features, functionality, performance, availability, timing and expected benefits of AMD products including the AMD FidelityFX Super Resolution 2.0, which are made pursuant to the Safe Harbor provisions of the Private Securities Litigation Reform Act of 1995. Forward-looking statements are commonly identified by words such as "would," "may," "expects," "believes," "plans," "intends," "projects" and other terms with similar meaning. Investors are cautioned that the forward-looking statements in this press release are based on current beliefs, assumptions and expectations, speak only as of the date of this press release and involve risks and uncertainties that could cause actual results to differ materially from current expectations. Such statements are subject to certain known and unknown risks and uncertainties, many of which are difficult to predict and generally beyond AMD's control, that could cause actual results and other future events to differ materially from those expressed in, or implied or projected by, the forward-looking information and statements. Material factors that could cause actual results to differ materially from current expectations include, without limitation, the following: Intel Corporation’s dominance of the microprocessor market and its aggressive business practices; global economic uncertainty; loss of a significant customer; impact of the COVID-19 pandemic on AMD’s business, financial condition and results of operations; competitive markets in which AMD’s products are sold; market conditions of the industries in which AMD products are sold; cyclical nature of the semiconductor industry; quarterly and seasonal sales patterns; AMD's ability to adequately protect its technology or other intellectual property; unfavorable currency exchange rate fluctuations; ability of third party manufacturers to manufacture AMD's products on a timely basis in sufficient quantities and using competitive technologies; availability of essential equipment, materials, substrates or manufacturing processes; ability to achieve expected manufacturing yields for AMD’s products; AMD's ability to introduce products on a timely basis with expected features and performance levels; AMD's ability to generate revenue from its semi-custom SoC products; potential security vulnerabilities; potential security incidents including IT outages, data loss, data breaches and cyber-attacks; uncertainties involving the ordering and shipment of AMD’s products; AMD’s reliance on third-party intellectual property to design and introduce new products in a timely manner; AMD's reliance on third-party companies for design,

manufacture and supply of motherboards, software and other computer platform components; AMD's reliance on Microsoft and other software vendors' support to design and develop software to run on AMD's products; AMD's reliance on third-party distributors and add-in-board partners; impact of modification or interruption of AMD's internal business processes and information systems; compatibility of AMD's products with some or all industry-standard software and hardware; costs related to defective products; efficiency of AMD's supply chain; AMD's ability to rely on third party supply-chain logistics functions; AMD's ability to effectively control sales of its products on the gray market; impact of government actions and regulations such as export administration regulations, tariffs and trade protection measures; AMD's ability to realize its deferred tax assets; potential tax liabilities; current and future claims and litigation; impact of environmental laws, conflict minerals-related provisions and other laws or regulations; impact of acquisitions, joint ventures and/or investments on AMD's business and ability to integrate acquired businesses, including Xilinx, Inc. (Xilinx); the impact of the Xilinx merger on AMD's business; impact of any impairment of the combined company's assets on the combined company's financial position and results of operation; restrictions imposed by agreements governing AMD's notes and the revolving credit facility; AMD's indebtedness; AMD's ability to generate sufficient cash to meet its working capital requirements or generate sufficient revenue and operating cash flow to make all of its planned R&D or strategic investments; political, legal, economic risks and natural disasters; future impairments of goodwill and technology license purchases; AMD's ability to attract and retain qualified personnel; AMD's stock price volatility; and worldwide political conditions. Investors are urged to review in detail the risks and uncertainties in AMD's Securities and Exchange Commission filings, including but not limited to AMD's most recent reports on Forms 10-K and 10-Q.

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[1] AMD Link requires AMD Software: Adrenalin Edition 22.3.1. Game streaming on phone or tablet devices require Android 7.0 and greater anywhere there is a high speed internet connection. For TV support, Android TV 7.0 and greater are required. iOS and tvOS support will be coming soon. Date and details to follow. Streaming at 4K requires 4K capable streaming hardware and is compatible with: AMD Polaris-based Radeon™ RX 400 series discrete graphics and newer. Graphics card must support hardware-encoding for host capabilities to function. Supports Windows 10/11. Link Game requires an internet connection. Controllers must be compatible with selected game and headset, please consult vendor for compatibility information GD-159

[2] RS-462 – Testing conducted by AMD as of February 16, 2022, on a test system configured with a Ryzen 5 5600X CPU, 16GB DDR4, Radeon RX 6800 XT GPU, and Windows 10 Pro, with AMD Software: Adrenalin 22.3.1 vs. 20.12.2 at 4K, Max settings. Performance may vary. Games tested: Age of Empires 4, Borderlands 3, Call of Duty: Vanguard, Cyberpunk 2077, F1 2021, Far Cry 6, Forza Horizon 4, Guardians of the Galaxy, Hitman 3, The Medium, Metro Exodus Enhanced Edition, Myst, RDR2, Resident Evil Village, and PUBG.

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