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New NDI® Tool Optimized for NVIDIA GPUs Replaces Need for Video Capture Cards

—Newest member of the free NDI® Tools download uses NVIDIA GPU power on the PC for pristine game streaming and other video applications—

Bergen, Norway and San Antonio, Texas—December 15, 2020—NDI®, part of the Vizrt Group along with the NewTek and Vizrt brands, today announced the NDI® Screen Capture HX app for NVIDIA GPUs. NDI Screen Capture HX works in collaboration with NVIDIA GPU-based PCs to capture screens and make them available as an NDI source on the network, eliminating the need for expensive video capture cards when sharing or streaming content from another computer.

NDI Screen Capture HX is optimized for NVIDIA GPUs, thereby removing all reliance on a PC's CPU when capturing a screen. This delivers pristine video over the network, at resolutions up to 4K and frame rates up to 120Hz without compromise.

"Our mission is to make IP video easy to use and fun for anyone to make a great show," said Dr. Andrew Cross, Head of R&D for the Vizrt Group. "Offering full NVIDIA GPU-accelerated support for NDI allows gamers to use applications like OBS Studio, XSplit, TriCaster®, or any of the thousands of applications that support NDI."

"NDI is helping gamers, creatives and enterprises tell stories online using the ground-breaking capabilities of NDI Screen Capture HX," said Gerardo Delgado, Senior Product Manager at NVIDIA. "Using NVIDIA GPUs, Screen Capture HX delivers a real-time, no-compromise solution for network-driven content creation."

NDI Screen Capture HX also allows users to run a PowerPoint presentation on one machine with embedded transitions, animation, audio, or movies included and use it on another machine as part of a live presentation, production, or web stream. The tool will also allow users to remotely control one machine using another on the network with full frame-rate video, even on 4K displays, with full support for moving keyboard, mouse, touch surface, clipboard, audio and video between machines.

The capabilities of NDI Screen Capture HX include:

- Full resolution screen capture up to 4K and above, at frame-rates up to 120 Hz or higher
- End-to-end hardware accelerated implementation of NDI®|HX including screen capture, color conversion, and video compression
- Using the high-quality dedicated encoding pipeline on NVIDIA hardware. With full control over the video bitrate, it is possible to have perfect image quality while using almost any network – including wireless!
- Incredibly low latency screen capture
- Support for capturing audio from any sound device – input or output – fully synchronized with the video signal



- Full remote KVM solution, allowing remote control of keyboard, mouse, clipboard and even touch from a remote machine
- Full control over the video bandwidth, resolution, and frame-rate being used

NDI Screen Capture HX is provided as part of the free NDI Tools and is available as an installable option when the latest version of NDI Tools is installed on a machine utilizing an NVIDIA GPU.

NDI Tools can be downloaded from here: <https://www.ndi.tv/tools/#download-tools>

For more information, please visit <http://www.ndi.tv>

About NDI®:

NDI® is a free protocol for video over IP, enabling better video for everyone. NDI software is in the hands of millions of customers worldwide, creating an interconnected community of storytellers. NDI allows individuals and organizations to access the benefits of IP-based, software-defined visual storytelling for a fraction of the cost of other complimentary IP protocols.

NDI is part of the Vizrt Group, alongside its sister brands, Vizrt and NewTek. NDI follows the single purpose of this Group; more stories, better told. www.ndi.tv

About Vizrt Group

Vizrt Group is the world's leading provider of visual storytelling tools for media content creators in the broadcast, sports, digital and pro-AV industries, helping them to build a better-informed world. The Group contains three of the strongest brands in the broadcast technology industry; NewTek, NDI® and Vizrt. All three are united by a passionately held single, simple purpose; more stories, better told.

Vizrt Group is a global and diverse organization with over 700 employees from 52 different nationalities, operating in 30 offices worldwide. It is privately-owned by Nordic Capital Fund VIII. www.vizrtgroup.com
NDI® Tools are a free resource that support both Mac and Windows machines. #SDVS

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