

Connect Spark™ Pro



Connect Spark™ Pro Features Fast. Easy. 4K to NDI®.

NewTek Connect Spark™ Pro is the fastest, easiest, and most flexible solution for converting 4K UHD video for IP workflows. In its ultra-portable enclosure, it combines the groundbreaking benefits of NDI®, NewTek's innovative Network Device Interface technology, with powerful, professional features for modern video production.

Full-Bandwidth NDI® Output

Translate video from the connected camera or device to IP, delivering to the network as a high-quality NDI® video source with near-zero latency.

Portable and Mountable

1. Carry Connect Spark™ Pro with you wherever you go, or optionally mount to a compatible camera or support using the industry-standard threaded screw mount.

Compatible With Any NDI® Workflow

Share video over IP with any compatible system, device, or application that supports NDI®, including NewTek solutions and products from third-party manufacturers and

developers.

4K UHD, HD, and SD Formats

Convert video of any compatible format to NDI®, including 4K UHD, with native support for resolutions up to 2160p at 60 frames per second.

HDMI Input

Connect, capture, and convert any compatible HDMI video source.

Power over Ethernet (POE)

Power Connect Spark™ Pro via USB, or optionally power over the wired Ethernet connection using a suitable POE networking device.

Professional-Level Audio

Present high-quality sound, with support for embedded HDMI digital audio and 1/4" analog audio.

NDI® Transfer Modes

Transmit video to your network using your choice of supported NDI® transfer modes, to include unicast and multicast UDP with forward error correction (FEC), and unicast TCP.

Tally

Receive tally notification from compatible NDI® devices via physical LEDs when video output from Connect Spark™ Pro is visible on Program and/or Preview.

Web-Based Interface

Monitor video, manage login credentials, access controls, and configure audio, video, and network settings from any supported Web browser on any compatible networked device.

NDI® Virtual Input

Designate Connect Spark™ Pro as the video input source in popular desktop video applications like Google Hangouts, GoToMeeting, Skype, Skype for Business, WebEx, Zoom, and more using the free NDI® Virtual Input* tool.* NDI Virtual Input included with the free NewTek NDI Tools download.

Network Identification

Easily identify Connect Spark™ Pro on your network with the ability to apply custom device and channel names.

Network Visibility

Access Connect Spark™ Pro devices connected to other networks via IP address and make them visible within your production environment using NDI® Access Manager.

Free Firmware Updates

Download and install free firmware updates to ensure your Connect Spark™ Pro is equipped with the latest features, capabilities, and performance enhancements.

Technical Specifications

Video Input	1 x HDMI
Audio Input	1 x HDMI embedded audio input (48/44.1/32 KHz) 1 x 1/4" (6.35 mm) Line Level (48 KHz) Stereo audio (2-channel LPCM)
Encoding	NDI®
Networking	1 x RJ-45 port for Gigabit Ethernet networking
Interface	Web-based user interface for configuration and monitoring
Tally	Tally support via NDI® or 1/8" audio jack Built-in program/preview tally lights
Formats	2160p: 60, 59.94, 50, 30, 24 1080p: 60, 59.94, 50, 30, 29.97, 25, 24 720p: 60, 59.94, 50, 29.97, 25, 24 576p: 50 (16:9, 4:3) 480p: 60, 59.94 (16:9, 4:3)
Power	Power over Ethernet (POE) External power via USB type-C (5V 2A)
Environmental	Operating temperature: -20°C to 80°C Relative humidity: 20% to 90%
Physical	Portable enclosure with threaded screw camera mount 5.37 x 3.32 x .92 in (136.40 x 84.33 x 23.37 mm), 65 lbs (.28 kg)



About NewTek NDI®

NDI is in use on millions of systems and allows multiple video systems to identify and communicate with one another over IP, and to encode, transmit and receive many streams of high quality, low latency, frame-accurate video and audio in real time. This benefits any network-connected video device, including video mixers, graphics systems, capture cards, and many other production devices. This makes it possible to exponentially increase the number of sources available for live production switching, without directly attaching to devices, changing locations, or investing in expensive, high-bandwidth networks that simply replace SDI-based workflows.



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