



The Fastest, Easiest Way to Get IP Video Into Your Show



Discover a whole new way to bring IP video into your production with the
NewTek NDI® PTZ Camera and Connect Spark converters.

The NewTek NDI PTZ delivers video, audio, control, tally and power on ONE Ethernet cable.
Or simply connect your existing camera or other video output to NewTek Connect Spark,
and have instant sources for all your NDI compatible systems and software... WIRELESS.

Learn more at newtek.com



Connect Spark Technical Specifications

	NewTek Connect Spark (SDI)	NewTek Connect Spark (HDMI)
Input	1 x 3G/HD/SD-SDI	1 x HDMI
Loop Out	1 x 3G/HD/SD-SDI	1 x HDMI
Audio	SDI embedded 3.5mm Line Level	HDMI embedded 3.5mm Line Level
Encoding	NDIHX	NDIHX
Ethernet	1 x RJ-45 port for 10/100 M Ethernet networking	1 x RJ-45 port for 10/100 M Ethernet networking
Wireless	Built-in WiFi radio 2 x 5db 2.4G/5.8G dual-band antennas IEEE 802.11 a/b/g/n	Built-in WiFi radio 2 x 5db 2.4G/5.8G dual-band antennas IEEE 802.11 a/b/g/n
Interface	Web-based user interface for configuration and monitoring	Web-based user interface for configuration and monitoring
Tally	Tally support via NDI, with built-in program/preview tally lights	Tally support via NDI, with built-in program/preview tally lights
Formats	1080p: 59.94, 50, 29.97, 25, 24, 23.98 1080i: 59.94 720p: 59.94, 50, 29.97, 25, 24, 23.98	1080p: 59.94, 50, 29.97, 25, 24, 23.98 720p: 59.94, 50, 29.97, 25, 24, 23.98
Standards	SDI: SMPTE ST-424M, ST-292M	HDMI: 0.8Vp-p
Recording*	Video: MPEG-TS Audio: AAC <small>*Optional USB or Micro SD card required (not included)</small>	Video: MPEG-TS Audio: AAC <small>*Optional USB or Micro SD card required (not included)</small>
BNC	75 Ohm impedance	— Not applicable —
USB	2 x USB 2.0 Type-A 1 x USB 2.0 Mini-USB	2 x USB 2.0 Type-A 1 x USB 2.0 Mini- USB
Power	External DC 12V 1A adapter included 4W max power consumption	External DC 12V 1A adapter included 4W max power consumption
Environmental	Operating temperature: -20°C to 80°C Relative humidity: 20% to 90%	Operating temperature: -20°C to 80°C Relative humidity: 20% to 90%
Physical	5.0 x 4.25 x 1.125 in (127 x 108 x 28 mm) 7.76 oz (220g)	5.0 x 3.5 x 1.125 in (127 x 89 x 28 mm) 7.76 oz (220g)

Subject to change without notice.



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Features In Depth



Connect Spark™ Features

NewTek Connect Spark™ is the fastest, easiest, and best way to get video into IP workflows. In its ultra-portable enclosure, it delivers the groundbreaking benefits of NDI®, NewTek's innovative Network Device Interface technology, and a host of tools and capabilities for prosumers and video professionals alike.

NDI® Output

Deliver any digital video source to the network in full HD, with high-efficiency NDI® output via NDI|HX and native support for resolutions up to 1080p at 60 frames per second.

Wired or Wireless

Send video to the network via Ethernet or WiFi, and make it available instantly as an NDI® source for any compatible system, device, or application.

3G-SDI or HDMI Input

Capture any SDI or HDMI video source and convert it to IP, with embedded audio and simultaneous video loop out.

Recording

Capture live video directly to an SD card or USB storage media, with local recording controls, and optional Auto Start and Overwrite settings.

Audio

Present high-quality audio with support for analog and embedded digital sources.

Program and Preview Tally

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

NDI® Virtual Input

Designate Connect Spark™ 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.

Web-Based Interface

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

Video Bandwidth

Select from High, Medium, and Low bandwidth output to accommodate your specific network configuration and traffic.

Multicast Mode

Optionally allow multiple destinations to receive the Connect Spark™ video source without individual point-to-point connections to conserve network bandwidth.

Network Identification

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

Network Visibility

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

LTC Timecode

Supply an external LTC timecode reference to embed timecode in the Connect Spark™ video signal and synchronize with other NDI® video signals.

Free Firmware Updates

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

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