



Spark™ Plus IO 12G-SDI Sales & Order Guide:

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All information included in this Product Sales Guide is confidential and subject to change without notice.

Spark™ Plus IO12G-SDI Positioning

Headline

The NewTek Spark IO 12G-SDI; a fast and easy way to video over IP and the perfect solution for broadcast quality productions without the complex set-up.

High-level description

The NewTek Spark IO 12G-SDI not only offers a fast and easy way to video over IP but now supports up to 4K 60p 12G-SDI video inputs and outputs. This simple solution means the NewTek Spark family of products supports the whole spectrum of video production. The Spark IO 12G-SDI is the perfect solution for broadcast quality productions without the complex set-up.

Target buyers

- Broadcast
- Entertainment
- Sports
- Streaming

Their requirements

Broadcasters can now use the Spark IO 12G-SDI to convert to NDI and support greater resolution, frame rates and color fidelity for the most demanding of IP-based media workflows.

NewTek Spark™ Plus IO12G

Portable, production-ready IP mediasolutions that convert between high bandwidth NDI® and 12G-SDI sources or destinations at up to 2160p resolution for use with compatible systems, devices, and applications connected to the same standard Ethernet network.

Spark™ Plus IO12G-SDI Core Messages

Headline

Fast. Easy. NDI® 12G-SDI Bi-Directional Conversion

Positioning Statement

NewTek Spark™ Plus IO12G-SDI are portable, UHD resolution NDI®-12G-SDI media converters. Capture media directly from connected cameras or devices and convert to high bitrate NDI®, or take NDI® streams from the network and convert them for display on 12G-SDI screens, monitors, projectors, or video walls. A Spark Plus IO12G-SDI device is the fastest, easiest, and most flexible way to integrate 12G-SDI devices into your IP-based video production workflows from anywhere on the network and avoid complex set-ups.

Value Proposition Statement

NewTek Spark Plus IO 12G-SDI offers broadcast media production professionals a quick and easy solution to use up to UHD 60p video in IP based media production workflows. With NewTek Spark™ Plus IO12G-SDI, anyone can easily connect 12G-SDI cameras or devices, convert the video signal to high bandwidth NDI®, and then share it with any compatible system, device, or application anywhere on the network. The same Spark Plus IO 12G-SDI takes signals from anywhere on the network and converts the video for sending to UHD screens, monitors, projectors, or video walls.

Unique Selling Proposition

NewTek Spark™ Plus IO12G-SDI converters are powerful and flexible solutions for acquiring and delivering video with IP-based productions as a solution for streaming, recording, and displaying using NDI transport and 12G-SDI devices.

- Decode or Encode up to 12G-SDI in a single device: Unprecedented flexibility to set up, change and use network infrastructure combined with input and output devices.
- Migrate workflows at whatever pace is needed: Producers work with all their existing equipment as both sources and destinations on the way to full IP.
- The power of NDI®: Plug and play for encoding and decoding from the company that invented NDI.
- Extend production: Works perfectly with a TriCaster for configuration free NDI

Spark™ Plus IO12G-SDI Product Highlights

Capture media from any compatible 12G-SDI camera and device or send media to 12G-SDI displays directly with your IP-based production workflows anywhere on your network up to 2160p resolution with a Spark™ Plus IO12G-SDI NDI® video converter from NewTek.

- Bi-directional conversion between 12G-SDI and NDI® for ultra high-quality with near-zero latency
- 12G-SDI video input or output with embedded audio
- Support up to 4K at 60 frames per second input and output
- Optional multicast mode to accommodate network bandwidth considerations
- Remote configuration and monitoring via a Web-based user interface
- Tally support via NDI®, with built-in program/preview tally light
- Power over Ethernet (POE) or power adapter
- Industry-standard, threaded-screw camera mount
- PTZ Control via USB
- Compatible with all systems, devices, and applications that support NDI®



Spark™ Plus IO12G-SDI Key Features

The NewTek Spark IO 12G-SDI not only offers a fast and easy way to video over IP but now supports up to 4K 60p 12SDI video inputs and outputs. This simple solution means the NewTek Spark family of products supports the whole spectrum of video production. The Spark IO 12G is the perfect solution for broadcast quality productions without the complex set-up.

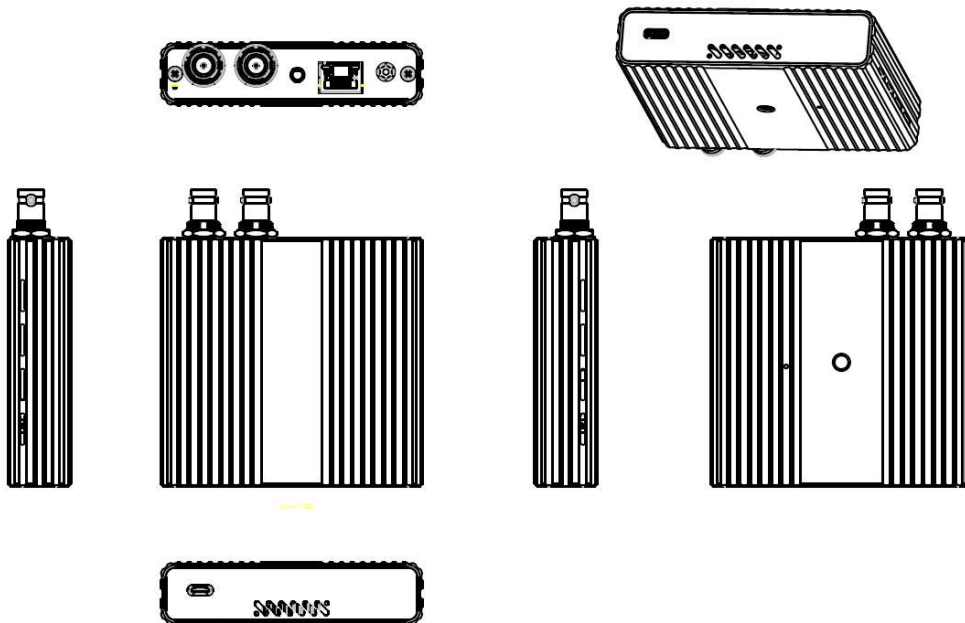
Video	Convert video of any compatible format to and from NDI®, up to UHD, with support for resolutions up to 2160p at 60 frames per second.
NDI® Input	Deliver full-bandwidth NDI® FROM the network as IP converted to connected 12G-SDI displays or devices.
NDI® Output	Deliver full-bandwidth NDI® TO the network as IP converted from 12G-SDI connected cameras or devices.
SDI Input	Connect, capture, and convert any compatible 12G-SDI media source.
SDI Output	Connect, deliver, and convert any compatible 12G-SDI media destination.
Ethernet Connectivity	Connect to the network via wired Ethernet, and share video over IP with any compatible system, device, or application that supports NDI®.
Audio	Acquire and deliver high-quality sound with support for embedded 12G-SDI digital audio and adjustable volume control.
Power over Ethernet (POE)	Power over the Ethernet connection using a suitable POE networking device
Tally	Receive tally notification from compatible NDI® devices via physical LED when video output from Spark™ Plus I/O 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.
Multicast Mode	Optionally permit multiple destinations to receive the Spark™ Plus I/O video source without individual point-to-point connections to conserve network bandwidth.
NDI® Virtual Input	Use this separate software tool to designate Spark™ Plus I/O as the video input source in popular desktop video applications like Zoom, Google Hangouts, GoToMeeting, Skype, Skype for Business, WebEx, and more
Network Identification	Easily identify a Spark™ Plus I/O on the network with the ability to apply custom device and channel names.
Network Visibility	Access Spark™ Plus I/O devices connected to other networks via IP address and make them visible within your production environment using the separate NDI® Access Manager software tool.
Camera Mount	Optionally mount Spark™ Plus I/O to a compatible camera or support using the industry-standard, threaded screw camera mount.
Firmware Updates	Download and install firmware updates at no charge to ensure Spark™ Plus I/O is equipped with the latest features, capabilities, and performance enhancements.

Spark™ Plus IO12G-SDI Technical Specifications

Video Input	1 x 12G-SDI
Video Output	1 x 12G-SDI
Audio Input	1 x 12G-SDI embedded audio input 1 x 3.5 mm analog stereo line level
Audio Output	1 x 12G-SDI embedded audio output 1 x 3.5 mm analog stereo line level
Encoding Decoding	NDI®
Networking Interface	1 Gigabit Ethernet Web-based user interface for configuration and monitoring
Tally	Tally support via NDI®
Formats	2160p: 60, 59.94, 30, 29.97, 25 1080p: 60, 59.94, 50, 29.97, 25 720p: 60, 59.94, 50, 29.97
Power	Power over Ethernet or external power adaptor DC 5V~18V power supply
Physical	Portable enclosure with threaded screw camera mount <ul style="list-style-type: none"> • 4.33 x 3.7 x 1.1 in (110 x 95 x 28 mm) • .66lbs (.30 kg)

Subject to change without notice.

Spark™ Plus IO 12G-SDI – Technical Drawing



Version Notes
January 26th 2021

- Initial release.