

Unlock IP.

BirdDog Studio NDI allows your existing cameras to be included in a new IP workflow for your live productions.

Once you convert your HDMI or SDI signal to IP the possibilities of live productions are magnified. Any network connection becomes a live video input into your switcher or production.

Product Highlights

3G-SDI/HDMI to NDI
(Network Device Interface)

SDI/HDMI cross converter

Onboard & external tally display

1080p60 High frame rate

Flexible power options including PoE
(Power over Ethernet)

Central Management software interface
(Mobile & Web)

Simple Plug and Play operation

Compatible with all NDI compliant
equipment

Tech Specs

Video Inputs

HDMI 1.4a
3G-SDI

Video Outputs

HDMI 1.4a
3G-SDI

Supported Resolutions

1080p 59.94/50/29.97/25
1080i 59.94/50
720p 59.94/50
SD PAL/NTSC

Video Protocol Support

NDI Realtime Encoding / NDI Realtime Decoding*

Audio

Embedded via SDI/HDMI
Analog 3.5mm Mic/Headphone

Network

1000baseT

Power

802.3af/802.3at PoE (Power over Ethernet)
5-18v DC

External Tally

3.5mm GPIO 2 position (Program/Preview)

Display

Bi-color LED Display
3 Selectable modes (Info, Tally, Multi-Tally)

Configuration

Web-based (Mobile and Desktop compatible)

Physical Dimensions

103mm (W) x 150mm (H) x 21.5mm (D)

*some features including NDI decode will be made available with future firmware updates.

BirdDog products available at:

bird-dog.tv



BirdDog Studio NDI



NDI Network
Device
Interface

Make the switch to IP. Easy.



NDI™ Network Device Interface

Complete access, control, and creativity over IP.

Release your video productions from the technical and physical limitations of standard broadcast infrastructures. Easily transition to video over IP with NDI, NewTek's innovative Network Device Interface technology, and ready-to-use software enabling interconnected production workflows.

Remove Routing Constraints

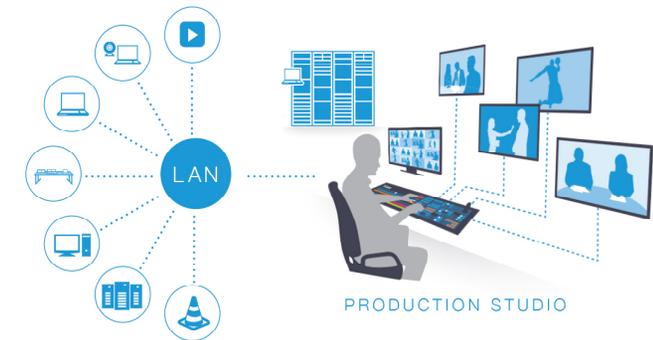
Produce your shows in a completely new way—using sources from all over your network, not just what's physically patched into your SDI video router. NewTek NDI is a royalty free standard anyone can implement to connect video equipment across a network. Your production switcher, capture system, media server—any NDI-enabled device on the network—can see and access content from all other devices, allowing more sources than ever before to be used for live production.

Reduce Costs (and Deployment Time)

Forget about investing in completely new facilities, networks, or signal infrastructures. NewTek NDI is built on a sophisticated foundation that can send and receive vast amounts of information using a familiar standard: the Ethernet-based LAN. With NDI's unprecedented encoding efficiency and performance, your network can accommodate multiple simultaneous, high-quality, ultra-low latency video streams.

Leap into the Future Today

Future-proof your production environment, taking advantage of technology advancements, while protecting your current investments. Compatible with existing SDI and IP-based technologies, and independent of changing specifications and formats, NDI will also support integration with ASPEN, SMPTE 2022, and other emerging standards.



NDI is a trademark of NewTek, Inc.

Extremely compatible

BirdDog Studio NDI is 100% compatible with the NDI protocol (Network Device Interface), the most scalable, practical IP standard available. NDI is compatible with hundreds of models of production equipment from dozens of manufacturers; from edit suites to playback servers, vision switchers and graphics generators.

Your facility is ready

Because NDI easily operates over regular Gigabit Ethernet, nearly every commercial building on the planet is pre-wired for IP. To add another camera to your next live production, simply plug a BirdDog Studio NDI into any network point—instantly you have access to your camera from anywhere in your building, on your campus, at your stadium.

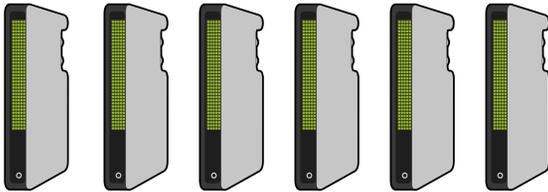
Lightning fast

BirdDog proudly develops the only hardware-based NDI implementation. By utilising custom hardware to encode NDI images BirdDog are the leaders in:

- Highest image quality
- Fastest end-to-end speed
- Most power efficient
- Small footprint
- Reliability

Video toolbox

In addition to converting your live video inputs to NDI, BirdDog Studio NDI is a video interface converter, with active loop out from HDMI to SDI and vice-versa.

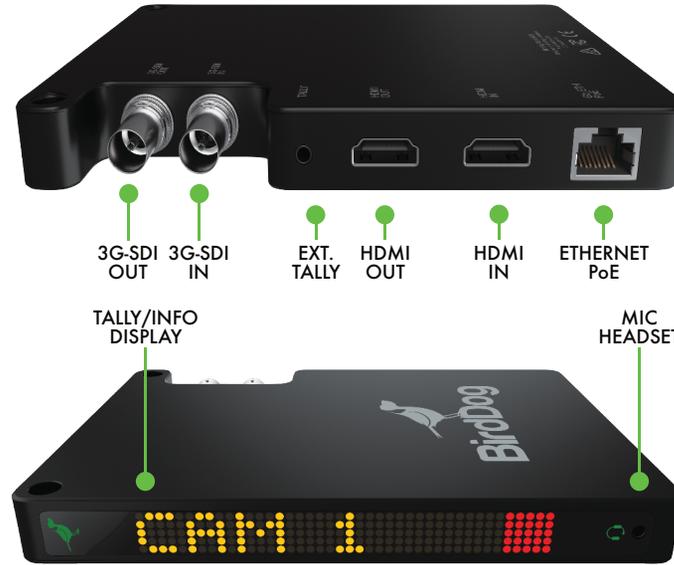


Fleet management

Configure and update BirdDog Studio NDI's en-masse using the included fleet management software. Load up show presets for camera stations names and system settings.

Easy mounting options

Through-holes for mounting in almost any location along with production-standard 1/4-20 threads on each end make mounting BirdDog Studio a breeze. Use the optional Hot-Shoe mount for ultimate convenience and ease of use.



Tally. Any way you like it

With an on-board display capable of showing either Tally or camera position information, combined with support for many external Tally indicators right out of the box, BirdDog Studio NDI makes wiring and production planning easier than ever.

Built production tough

Made from aircraft-grade aluminium for incredible strength and heat management, along with unique features like recessed SDI connectors, mean BirdDog Studio NDI is built to last on even the most demanding locations.

Field upgradeable

BirdDog Studio NDI has been designed from the ground up to be upgradeable. Adding regular updates and new features protects your investment and allows for additional workflows in the future.

Ultimate image quality

The foundation of BirdDog Studio NDI is its video pipeline. With the best components and cutting-edge processing image integrity is assured from the input all the way through your IP production by using BirdDog technology.



NDI Network Device Interface