



BirdDog | STUDIO NDI

The one that started it all.

Studio NDI is the world's flagship NDI® Encoder and Decoder. Built around BirdDog's custom NDI® silicon chip and housed in an aircraft grade aluminium case, Studio NDI has been engineered from the ground up for real-world users. Featuring SDI and HDMI inputs and outputs, built-in cross converter, active loop outs, audio intercom system, NDI® tally system, PoE, and compatibility with BirdDog's Comms and Central Apps, Studio NDI is the perfect addition to any live producers toolkit.

NDI® Encode or Decode.

Built with total flexibility in mind Studio NDI can be configured as an NDI® Encoder or NDI® Decoder. Studio NDI is capable of Encoding resolutions up to 1080p60 SDI and HDMI to NDI® and Decoding NDI® resolutions up to 1080p60 to SDI or HDMI.

Full NDI®. No compromises.

In the world of NDI® there are two flavours, NDI® and NDIHX. NDI® is a VBR, I-Frame codec that reaches around 140Mbits at 1080p60 and is visually lossless. NDIHX is a compressed, long-GOP, H.264 variant that reaches around 12Mbits at 1080p60. Studio NDI hardware is Full YUV422 NDI®.

Extreme Speed.

BirdDog's revolutionary custom silicon chip is what drives the best NDI® products on the planet. Only BirdDog's hardware can do line-based processing to give the fastest possible NDI® Encoding or Decoding technically possible.

Camera Mount.

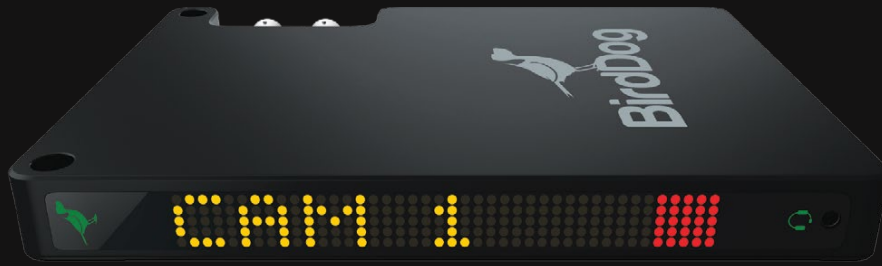
A ¼-20" thread top and bottom allows for easy mounting on magic arms and other traditional camera mounting gear whilst the 7mm diameter through holes can be used for mounting on cheese plates. The optional camera mount adds a ¼-20 thread to the bottom for further mounting options.

Aircraft Grade Aluminium case.

It's easier to imagine Studio NDI on display within the Louvre in Paris than on a live video production set, but that is where the deception of the senses first takes place. The perfectly finished casing is actually aircraft grade aluminium and designed to withstand the rigours of life on the road.

Tally. It just works.

The world's first NDI® Tally system is built right into Studio NDI and it requires zero configuration. Includes a built-in large Tally display for your on-air talent to easily see which camera is live, plus user selectable Tally borders on loop out.



CUSTOMISABLE
TALLY

AUDIO 3.5mm



3G SDI OUT

PoE

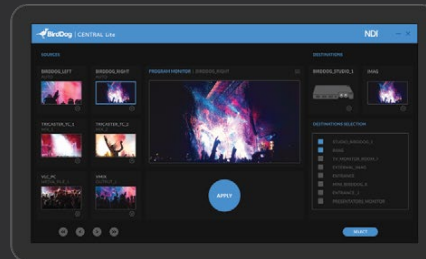
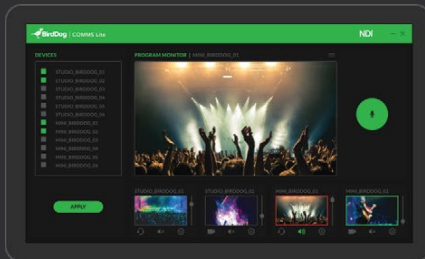
3G SDI IN

HDMI IN

GPIO
OUTPUT

HDMI OUT

Included COMMS Lite & CENTRAL Lite - 100% FREE



Product Specifications

Video Formats

(HD) 1080p 23.98, 25, 29.97, 30, 50, 59.94, 60

(HD) 1080i 25, 29.97, 30

(HD) 720p 50, 59.94, 60

Video Input

1 x 3G-SDI, SMPTE-259/292/296/424 (Level A / Level B)

1 x HDMI Standard Type A connector

HDMI v1.4a, RGB or YCbCr

Video Output

1 x 3G-SDI, SMPTE-259/292/296/424 (Level A)

1 x HDMI Standard Type A connector

HDMI v1.4a, RGB or YCbCr

Audio Digital

2-Channel, 24-bit SDI embedded audio, 48 kHz sample rate, synchronous

2-Channel, 24-bit HDMI embedded audio, 48 kHz sample rate, synchronous

Audio Analog

3.5mm Microphone headset input / output

Video Codec Support

Realtime, ultra-low latency, full-bitrate NDI (i-frame)

Display

Internal 35x5 tri-colour LED display for information and tally indication

Network Interface

10/100/1000 Ethernet (RJ-45) with PoE (Power over Ethernet)

Embedded web configuration panel for control and firmware updates

User Interface Controls

Network settings

Video settings

Tally settings

Audio and Comms settings

External Tally

3.5mm 2 position +5v tally connector

Size (W x D x H)

150mm x 105mm x 21mm

Weight

0.3kg

Power

100-240V, 50/60 Hz Universal Input, +5-18V DC 7W Max

Power over Ethernet (PoE) 802.3af/at