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STUDIO·2

NDI Encoder/Converter/Decoder/Optical



FULL NDI

12G-SDI/HDMI 4K60
Full NDI Bi-Directional
Encoder/Decoder

12G-SDI/HDMI 4K60
UpDownCross Converter
Optical Transceiver

Support at least 27
formats of
UpDownConversion

Scroll Wheel Control

Encode/UpDownCross/Optical
working simultaneously

Audio Em-beded/
De-Embeded/Intercom

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Description:

STUDIO 2 encodes 1 channel 3G/6G/12G-SDI or HD to HDMI 4K60p video source into Full NDI, users can choose any format from HD to 4K FULL NDI; and also support NDI decoding, Convert Full NDI to 3G/6G/12G-SDI, HDMI 4K60 to HD, and output any format specified by the user through SDI/HDMI port.

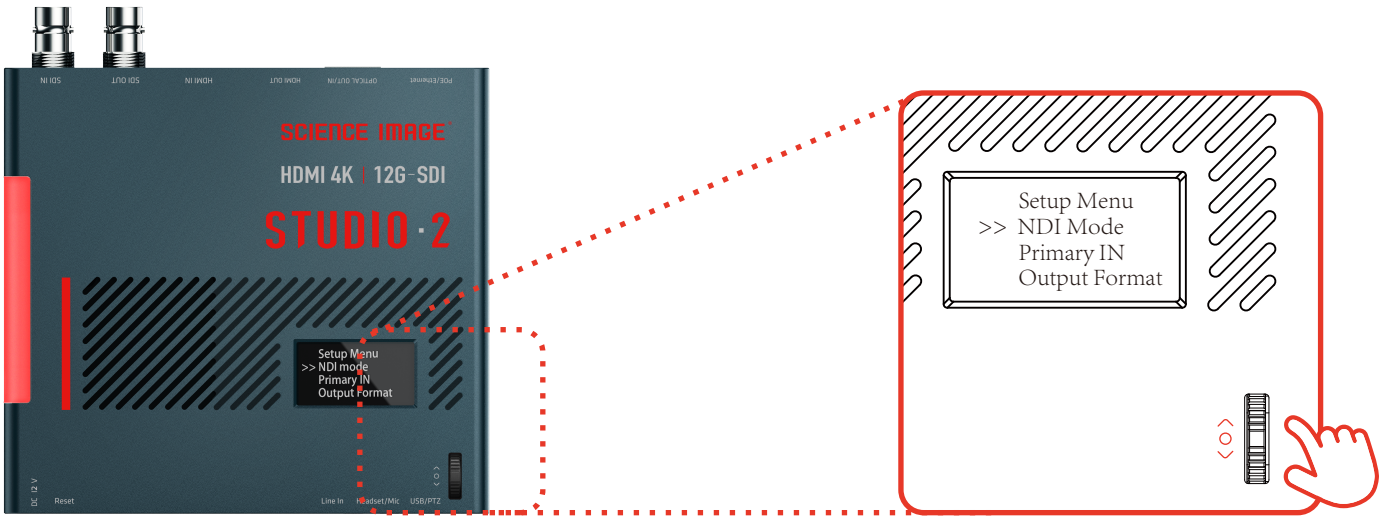
STUDIO 2 is also a 12G-SDI/HDMI2.0 interface Up/Down Conversion converter. The conversion function and NDI codec function work at the same time. At present, it supports up to 27 SMPTE standard formats of the PAL/NTSC specification.

STUDIO 2 can display TALLY signals in real time, with large-size integrated TALLY lights, one Mic input port to support calls, and one Line IN external audio embedding. Users can use Web UI or ScienceImage NDI control software DynaControl to set box parameters and working status in real time.

STUDIO 2 comes with a 1.3-inch OLED screen, which displays the working status and parameters of the box; supports two independent power supply modes: POE+, DC-12V, and users can set online settings such as Scaler frame rate, NDI bandwidth, Audio, TALLY, Encoding/Decoding, signal source input priority, output format and frequency selection and other functions.

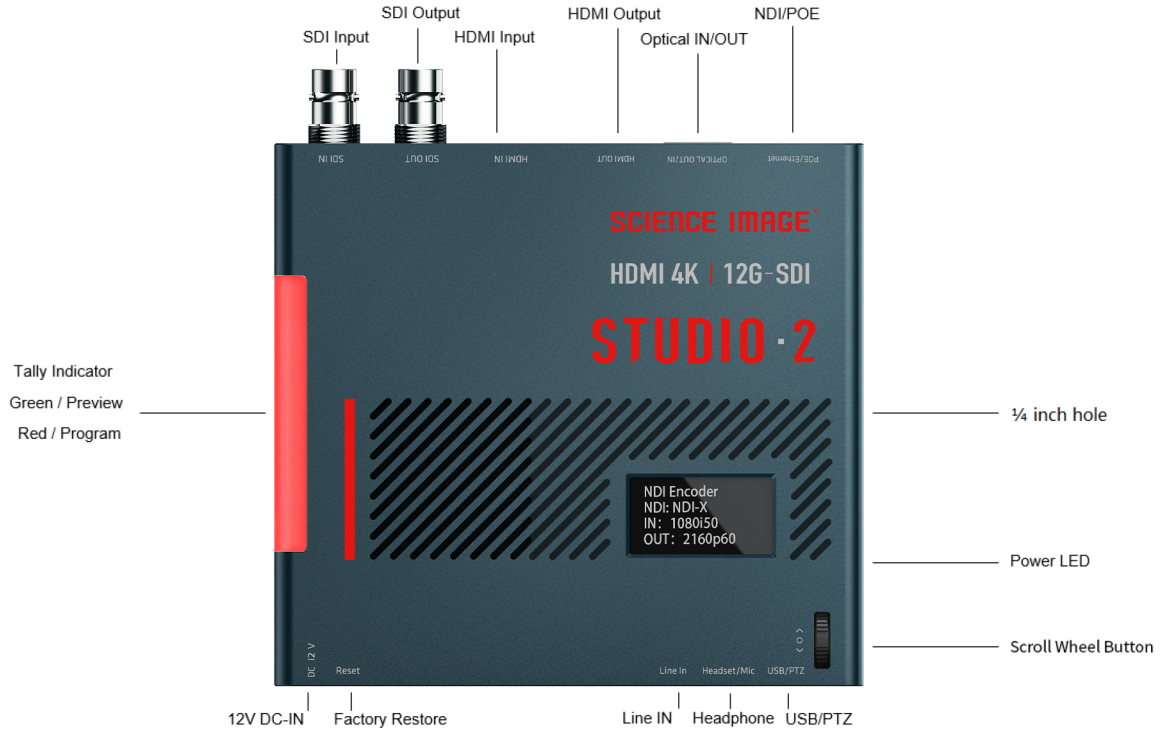
STUDIO 2 supports HDMI2.0 and 12G-SDI optical transceiver functions, built-in T1 optical module, up to 20KM transmission distance.

STUDIO 2 comes with the scroll wheel button, which only uses One-finger to set box features directly, such as NDI mode, output format, optical transceiver function, SDI/HDMI priority selection, etc. without accessing Web UI.



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Interface and Indicator:

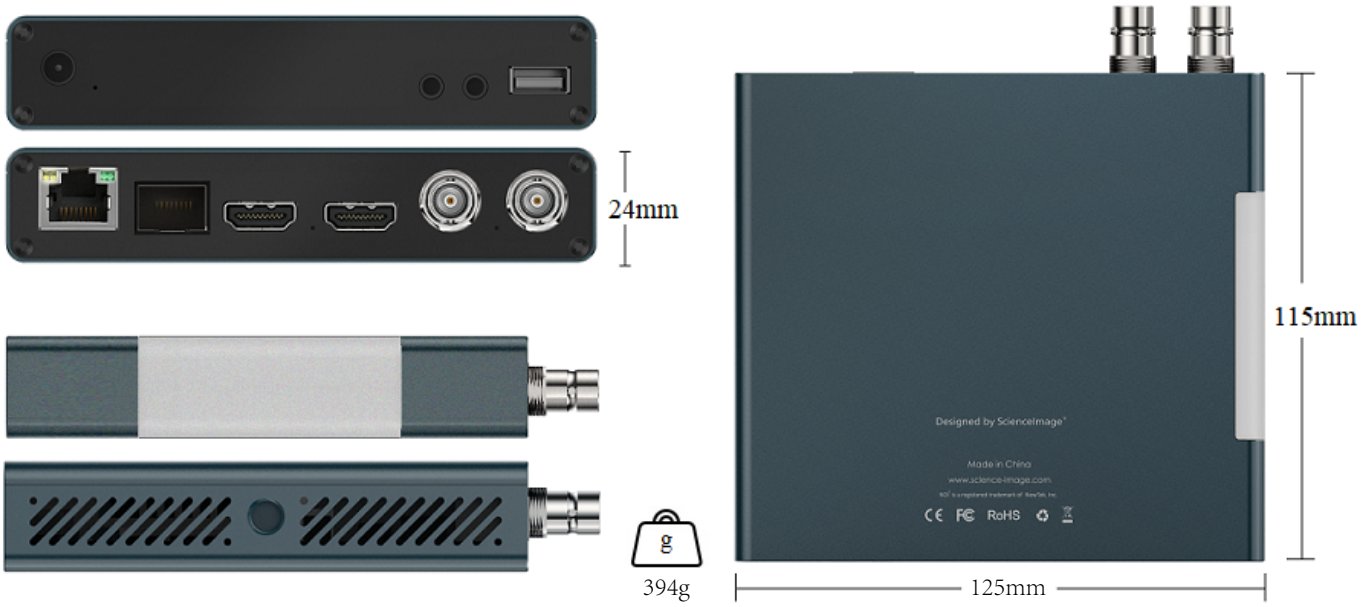


Interface	
SDI video input	1 x 3G/6G/12G-SDI
SDI video output	1 x 3G/6G/12G-SDI
HDMI video input	1 x HDMI 2.0
HDMI video output	1 x HDMI 2.0
Optical fiber input and output	1 x SMPTE optical fiber SFP socket
RJ45 Gigabit Ethernet port	1 x RJ45
LINE IN audio input port	1 x LINE IN 3.5mm audio input port for external analog audio em-bedding
MIC input and output port	1 x Mic 3.5mm audio input and output port, used for audio output after de-embedding SDI and HDMI video sources
USB 2.0 Type A port	1 x USB 2.0 Type A

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Parameters:

Parameters	
SDI /HD/HDMI video format	720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30, 2K DCI 23.98p, 2K DCI 24p, 2K DCI 25p, 1080p50, 1080p59.94, 1080p60
6G/12G-SDI/Ultra HD /4K video format	2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30, 2160p50, 2160p59.94, 2160p60
SDI specification	SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 372M, SMPTE 424M, SMPTE 425M, SMPTE 2081-1, SMPTE 2081-10, SMPTE 2082-1 and SMPTE 2082-10
Display	1.3 inch OLED screen
FULL NDI encoding	Supports all formats from HD to 4K60/12G-SDI of NDI 5.6 and below. FULL NDI encoding supports up to 3840x2160p60. The output NDI supports at least 27 resolution formats.
Scroll wheel	Supports setting NDI mode, SDI/HDMI priority, output format, and optical transceiver function.
FULL NDI decoding	Supports all formats from HD to 4K60/12G-SDI FULL NDI decoding of NDI 5.6 and below, up to 3840x2160p60.
Optical transceiver	12G-SDI optical transceiver interface, The maximum transmission distance can reach 20 km.
Network settings	Support TCP (Multi-Connection), TCP (Uni-Connection), UDP (Multi-cast), UDP (Uni-cast)) Switch between four transmission modes.
TALLY	display TALLY states transmitted through NDI in real time. Green(preview), Red (program)
Camera PTZ control	Support protocols: VISCA, Visca UDP, Visca UDP2rs232, PELCO-P and PELCO-D
Firmware upgrade and protection	Use the WebUI upgrade function to add firmware protection.
Power supply	12V DC power input and POE+ supply. Power consumption: 30W



Size:125mm x 115mm x 24mm
Weight: 394g
Material: all aviation aluminum milling

Packing List:

STUDIO 2
quick start manual
12V universal power supply (includes four sets of international conversion plugs)