

 **SCIENCE IMAGE®**

FLOW · 4K

Optical Transceiver / Converter



12G-SDI/HDMI 4K60
UpDownCross Converter



At least support 35
video formats UpDownCross



12G-SDI/HDMI 4K
Optical Transceiver



Audio Em-bedded/
De-Embedded/Intercom



UHD UpDownCross +
Optical Transceiver
working simultaneously



1.3" OLED screen

Description:

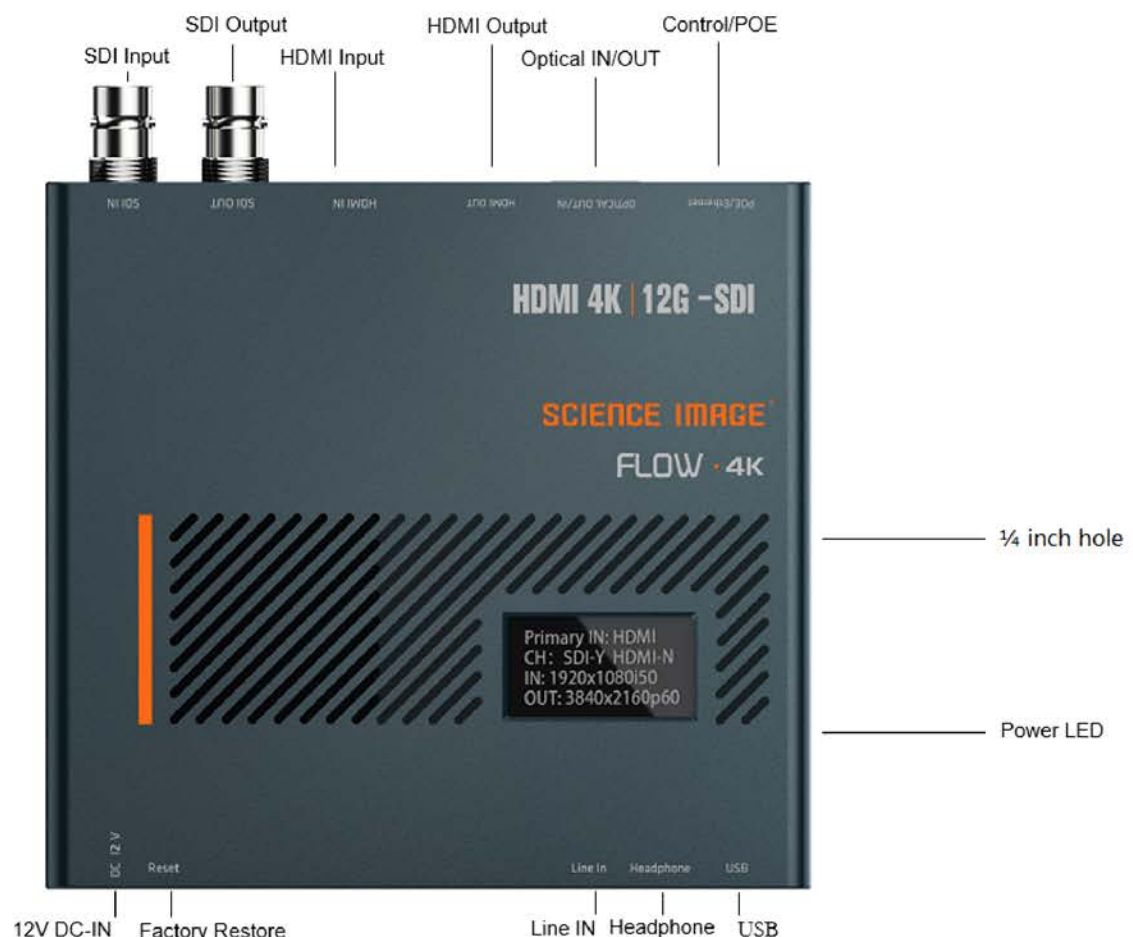
FLOW 4K converts 1 channel of 12G-SDI or HDMI 4K60 and below video sources into any format specified by the user in the range of HD to 4K60 and output through the SDI/HDMI port.

It is the up-down conversion of the 12G-SDI/HDMI2.0, currently supports at least 35 types SMPTE standard formats and support PAL/NTSC standard, and will gradually upgrade more functions according to the firmware released by SciencelImage.

FLOW 4K comes with a 1.3-inch OLED screen, which displays the box's working status and parameters, input/output format and other content in real time.

FLOW 4K has built-in HDMI 2.0 and 12G-SDI optical transceiver functions, which are HDMI2.0 and 12G-SDI optical transceivers. Users can choose different optical modules to transmit different distances, and the maximum support is 20 kilometers.

Interface and Indicator:

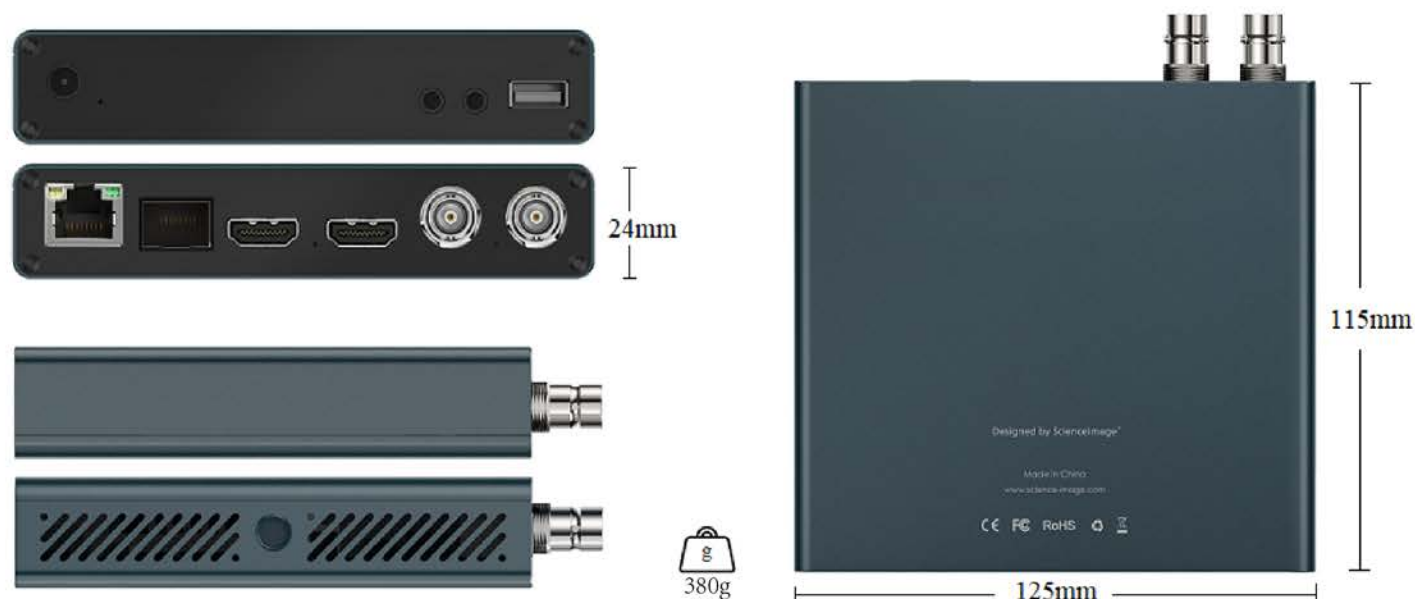


Interface	
SDI video input	1 x 3G/6G/12G-SDI,adaptive input, automatic switching
SDI video output	1 x 3G/6G/12G-SDI,adaptive output, automatic switching
HDMI video input	1 x HDMI 2.0 Type A interface supports up to HDMI 4K60p input, format down compatible
HDMI video output	1 x HDMI 2.0 Type A interface supports maximum HDMI 4K60p output, format down compatible
Optical fiber input and output	1 x SMPTE optical fiber SFP socket, used to connect different types of Gigabit/10 Gigabit/12G-SDI optical fiber modules
RJ45 Gigabit Ethernet port	1 x RJ45 Gigabit Ethernet interface, used to control and set equipment parameters and input and output NDI signals
LINE IN audio input port	1 x LINE IN 3.5mm audio input port for external analog audio embedding
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
LINE IN Embedding	3.5mm LINE IN analog audio embedding channel, Mix audio on/off and volume adjustment
3.5mm Audio Out	Provide a 3.5mm R/L analog audio monitor and de-embedded channel, De-embed external audio from LINE IN and video source.

Parameters:

Parameters	
1.5G/3G-SDI /HDMI /HD 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

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
Firmware upgrade and protection	Use the web UI upgrade function to increase the firmware protection
Control Method	USB(RNDIS) & Web UI through RJ45
Power supply	12V DC power input, USB power supply, and POE. Power consumption: 30W
Certificate	CE / FCC / ROHS



Size: 125mm x 115mm x 24mm

Weight: 380g

Material: all aviation aluminum milling

Packing List:

FLOW 4K

12V universal power supply (includes four sets of international conversion plugs)

