

## Studio HD31

## Entry-level live production switcher

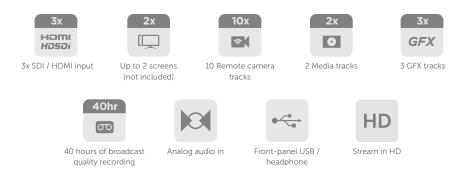
With three HD-SDI / HDMI inputs, all the Studio Software features<sup>\*</sup> and a high performance system, Studio HD31 provides everything you need for a multi-camera live production.

Learn more at livestream.com/studio/hd31





## Core Features



Plus all the features of Livestream Studio\*

Learn more at livestream.com/studio



HD-SDI Inputs	3	Graphics	3 x Graphics DSK (downstream key) channels. One channel for
NDI Input	25	Downstream Key	GFX1, one channel for GFX2, one channel for GFX3 . Independen or locked transition controls (fade/cut). Preview on multiview.
NDI Output	5	Graphics & Titling	Load JPG or PNG files (full transparency support with PNG files). Add text (set position/font/size/color) over any loaded image file within the GFX1 or GFX2 or GFX3
Embedded Audio Input	3 Stereo or 24 Mono Inputs		
Audio Monitoring (1/8")	*	Video clip Playback	2 Media Players - Eject/Load clip. PlayPause/stop. Audio/Video Scrubber. Timecode indicator. Seek to timecode. Mark In/Mark Out. Loop. Auto-play on transition"
HDMI Inputs	3		
HDMI Outputs	1	Recording	Up to 4 simultaneous isolated source recordings. MJPEG with uncompressed audio. Interlacing and timecode support. Full compatibility with Blackmagic Design Media Express and Adobe Premiere.
HD-SDI Output	1		
Composite Input (BNC)	0		
Composite Output (BNC)	0	Recording Capacity	~40 hours at 1080i (Using 2 TB built in Hard Drive with recorder set to record at 100Mbps MJPEG AVI)
S-Video Input	0	Live Streaming	HD Streaming. Integrated live streaming to Livestream or any other RTMP compatible service including Ustream,
S-Video Output	0		
Component Input	0		YouTube Live, Akamai, Wowza Media Server. Integrated multi-channel audio mixer for internal and external audio sources, outputs, stream and headphones. Incorporated video switcher follow feature with audio crossfade support when fading two video sources.
Component Output	0	Audio Mixing	
Analog Audio (1/8") Input	1		
Analog Audio	1	Supported Formats	HD: 720p50, 720p59.94, 720p60, 1080PsF23.98, 1080p23.98,
(1/8") Output			1080PsF24, 1080p24, 1080PsF25, 1080p25, 1080PsF29.97, 1080p29.97, 1080PsF30, 1080p30, 1080i50, 1080i59.94 and 1080i60SD: 625/25 PAL, 525/29.97 NTSC
Analog Audio (1/4″) Input	0		
Analog Audio (1/4″) Output	0	Playback Media Formats	GFX: JPEG or PNG image files with transparency support. DDR: AVI MJPEG with uncompressed audio, DV Video, WMV (7/8/9), H.264 (.mov &.avi), MPEG4 Part 2 (.mov & .avi), MPEG4 V1/V2 (.mov & .avi), AAC, MP3
AES/EBU Input	0		
AES/EBU Output	0	Record Media	AVI MJPEG with uncompressed audio
Additional AES/	0	Formats	Avriant Ed with theompressed addio
EBU or Analog Audio Output		Operating System	Windows 7 Professional (64 bit) or better
Tom Bihn Carry Bag	Not Available	CPU	Intel Core i7-4790K Haswell Quad-Core 4.0GHz
Livestream Studio	Included	Graphics Card	On Board Graphics
Keyboard Media Sources Remote Camera	<ul> <li>7 integrated digital media sources for video &amp; graphics playback.</li> <li>2 DDRs (video clip playback with built-in transcoder),</li> <li>3 GFX (graphics),</li> <li>2 Color Bars / Background Color</li> </ul>	Storage	2TB WD BLACK SERIES WD2003FZEX 7200 RPM/ SATA 2.5" Internal Hard Drive
		RAM	G.SKILL Trident X Series 16GB (2 x 8GB) 240-Pin DDR3 SDRAM
		Processing	Video: 4:2:2, 10 bit Color (REC 601, REC 709)Audio: 48
			kHz, 24-bitrEF IN/Genlock (Requires genlocking the two Blackmagic Design cards via two separate connectors)
	10 x Remote camera module for ingesting video/ audio over local WiFi or Ethernet network, downlinking streams, and Interviews via WebRTC.	Built-in Video Input/ Output Cards	3 Blackmagic Design DeckLink Mini Recorders (PCI), 1 Blackmagic Design DeckLink Mini Monitor (PCI)
Format Converter	Built-in broadcast quality format converter for every input with automatic format detection. Allows use of any camera and video source without matching video formats.	Included in the box	"Power cable. Livestream Studio™ Keyboard. Mouse. Livestream Mousepad. Rack Ears Rubber Feet. Blackmagic
Built-In Multiview	On-screen full field rate multiview of all live inputs, Preview, Program Out, GFX and DDR, Audio PPM overlay with peak hold feature on all inputs and outputs. Resizable layout allowing		Design cards documentation and driver CD. Warranty"
		Physical Dimensions	13.7" (D) x 19" (W) x 3.5" (H) ~13.8 lbs
External Multi- Screens	hiding of all controls to maximize multiview screens.  1 x Extended Screen output using HDMI*	* External screens not included. Specifications are subject to change. For complete technical specifications, please visit livestream.com/studio. Pricing and availability may vary. Please contact your local reseller for details. © 2017 Livestream, Inc	
Video Switcher / Mixer	1 x Mixer & Effects Bank (M/E) with no upstream keyer. transitions : SMPTE Wipe, Cut & Fade (Auto transition with adjustable duration in frames, manual via on-screen T-BAR or keyboard shortcuts)		