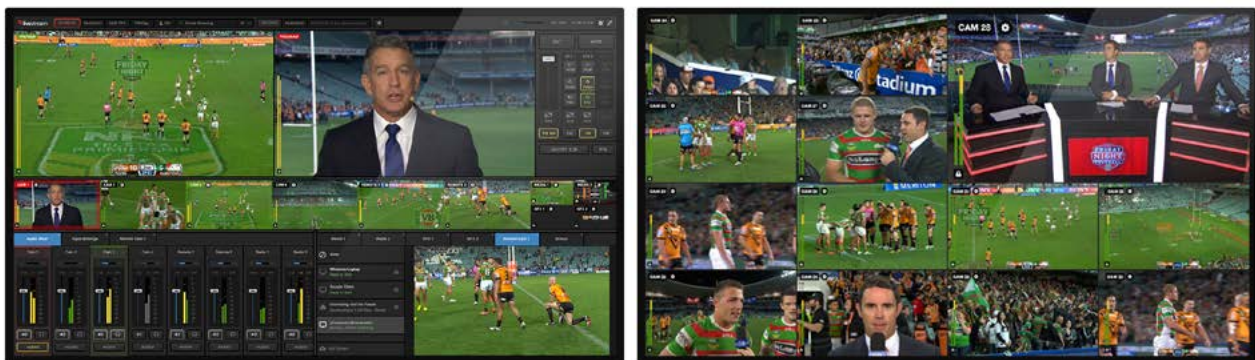# Studio HD51

Powerful live production switcher

With five HD-SDI or HDMI inputs, all the Studio Software features, and a high performance system, Studio HD51 is the perfect combination of powerful, simple and affordable. Simply plug in a screen and go.

Learn more at livestream.com/studio/hd51

Core Features

5x	1x	2x	2x	2x	3x
HDSDi	HDMI HDSDi	🖥	🎥	▶	GFX
5x SDI inputs	1x SDI / HDMI output	Up to 2 screens (not included)	2 Remote camera tracks	2 Media tracks	3 GFX tracks

20hr				
▭	⟊	📶	▤	↢
20 hours of broadcast quality recording	Analog audio in	Integrated bonding	Optional included rack-mount ears	Front-panel USB / headphone

Plus all the features of Livestream Studio

Learn more at livestream.com/studio

HD-SDI Inputs	5
Embedded Audio Input	5 Stereo or 40 Mono Inputs
Audio Monitoring (1/8")	1
HDMI Inputs	5
HDMI Outputs	1
HD-SDI Output	1
Composite Input (BNC)	0
Composite Output (BNC)	0
S-Video Input	0
S-Video Output	0
Component Input	0
Component Output	0
Analog Audio (1/8") Input	1
Analog Audio (1/8") Output	1
Analog Audio (1/4") Input	0
Analog Audio (1/4") Output	0
AES/EBU Input	0
AES/EBU Output	0
Additional AES/EBU or Analog Audio Output	0
Tom Bihn Carry Bag	Not Available
Livestream Studio Keyboard	Included
Media Sources	Integrated digital media sources for video & graphics playback. 2 DDRs (video clip playback with built-in transcoder), 2 GFX (graphics), 2 Color Bars / Background Color
Remote Camera	2x Remote Camera support for Livestream Broadcaster, Windows computer, iOS or Android device, or Google Glass over local Wifi or ethernet network
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
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 hiding of all controls to maximize multiview screens.
External Multi-Screens	2x Extended Screen outputs*
Video Switcher / Mixer	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)
Graphics Downstream Key	3x Graphics DSK (downstream key) channels. One channel for GFX1, one channel for GFX2, and one channel for GFX3. Independent or locked transition controls (fade/cut). Preview on multiview

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
Video clip Playback	2 Media Players - Eject/Load clip. Play Pause/stop. Audio/Video Scrubber. Timecode indicator. Seek to timecode. Mark In/Mark Out. Loop. Auto-play on transition
Recording	MJPEG with uncompressed audio.Interlacing and timecode support. Full compatibility with Blackmagic Design Media Express and Adobe Premiere.
Recording Capacity	~20 hours at 1080i (Using 1 TB built in Hard Drive with recorder set to record at 100Mbps MJPEG AVI)
Live Streaming	HD live streaming via Gigabit/100/10 built-in Ethernet. Presets in up to HD 720p. Multiple simultaneous bit-rates, including mobile quality for playback over 3G on mobile devices (iPhone/Android). Integrated live streaming to Livestream or any other RTMP compatible service including Ustream, YouTube Live, Akamai, Wowza Media Server.
Audio Mixing	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.
Supported Formats	HD: 720p50, 720p59.94, 720p60, 1080PsF23.98, 1080p23.98, 1080PsF24, 1080p24, 1080PsF25, 1080p25, 1080PsF29.97, 1080p29.97, 1080PsF30, 1080p30, 1080i50, 1080i59.94 and 1080i60
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
Record Media Formats	AVI MJPEG with uncompressed audio
Operating System	Windows 7 Professional (64 bit)
CPU	Intel "Sandy Bridge-E" Core i7 3930K 3.2 GHz Six-Core processor, 12MB L3 cache, 130W, Socket LGA 2011
Graphics Card	Nvidia GeForce GT 520 Commercial Series PCI Express graphics card
Storage	1 TB/ Western Digital Red 7200 RPM/ SATA 2.5" Internal Hard Drive
RAM	16GB 4 total DDR3 1600 MHz RAM (non-ECC) (4GB x 4 DIMM triple-channel configuration)
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)
Built-in Video Input/Output Cards	5 Blackmagic Design DeckLink Mini Recorders (PCI), 1 Blackmagic Design DeckLink Mini Monitor (PCI)
Included in the box	Power cable, Livestream Studio™ Keyboard, Mouse, Livestream Mousepad, Rack Ears, Rubber Feet, Blackmagic Design cards documentation and driver CD, Warranty
Physical Dimensions	14" (D) x 17" (W) x 3.5" (H) ~13.8 lbs

External screens not included.
Specifications are subject to change.
For complete technical specifications, please visit new.livestream.com/studio
Pricing and availability may vary. Please contact your local reseller for details.
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