

G e m i n i 4:4:4™



(R)evolutionary Uncompressed HD Video Recorder!

HD/2K, 4:2:2/4:4:4, 10bit, S-Log, Dual-Link, 3G, 16-Chan

Perfect for AF100, F3, F35, Alexa, All Filmmakers

Flexible post workflows: Full uncompressed,
or encode to your favorite codec

Gemini 4:4:4™ recorder with high brite LCD and
transfer station for \$5,995 (retail)

**The ultimate in HD image quality
is now affordable!**

Shown Actual Size
(8-15 watts, 1 lb)

See the Gemini 4:4:4™ Video Recorder at NAB 2011, Convergent Design Booth C1126

www.convergent-design.com

++720-221-3861 ++803-278-0941

Gemini 4:4:4™ Technical Specifications

Feature	Specification
Video Standards	HD-SDI, SMPTE 292M; HD-SDI 3G, SMPTE 424M; HD-SDI Dual-Link, SMPTE 372M
Video Formats	1080p23.98/24/25/29.97/50/59.94; 1080i50/59.94; 720p23.98/25/29.97/50/59.94/60; 2048x1080p23.98/24
Video I/O	Four BNCs, (2 Input, 2 output, with individual power-down options), One HDMI (Type C) Output
Record Features	Full Uncompressed 10-Bit 4:2:2 / 4:4:4 Recording into Quicktime file (.mov) with audio and timecode User programmable over/under crank, time-lapse, 3:2 and 2:2 pulldown removal, on-screen tally Record video simultaneously to both SSD drives (backup) or span drives (for longer record times) Video can be recorded with or without burned-in LUTs, on individual drive basis
Playback Control	Play, Rewind, Fast-Forward, Pause, and Step Control Reference image overlay (aka onion skinning) planned in future firmware release
S-Log, Log-C Support	Support for S-Log, Log-C with user programmable 1D LUTs, LUTs can be applied to either SDI output
Media	Two Slots for 1.8" Solid State Drives (SSD), Hot-Swappable, 256GB / 512GB sizes SSD Performance: 260 MBytes/Sec Write, 415 MBytes/Sec Read, 6Gbps SATA Interface
Transfer Station	1.8" SSD to 6Gbps eSATA transfer station (included)
Built-In LCD Monitor	5" high brightness LCD, sunlight viewable, 800 cd/m ² , 800 x (RGB) x 480 Pixels, 24-Bit, 900:1 True Contrast, Wide 85° Viewing Angle (IPS Technology), Color Calibrated at Factory 1:1 Pixel Option, with user positioning of desired window via touch control
Menu System	Touch Sensitive menu system with user-defined presets and customizable level of on-screen data
Timecode	HD-SDI Embedded (SMPTE RP-188) or LTC via the remote control option
Digital Audio I/O	HD-SDI Embedded 4-Channels, uncompressed, 24-Bit, 48K; 16-Channel in future firmware
Analog Audio Output	3.5 mm output jack, headphone or consumer line level, support to monitor any channel pair
3D - Dual Stream (Option)	Extra cost option for Full Stereo (dual stream) record and playback in a single Gemini unit Left and Right Video Streams recorded as individual files, in full uncompressed Vertical Flip, Horizontal Flop, for either/both streams Individual output of each stream or Combine: Side by Side, Line by Line, Anaglyph, 50/50 Composite Simultaneous output in multiple formats (ie Side by Side and 50/50 Composite)
Remote Control (Option)	Wired Remote Control with Tally Light and LTC I/O
NLE Compatibility	NLE Support planned for Avid, Final Cut Pro, Premiere, Vegas and Edius
Power Requirements	6 to 19 Volts DC, 8 to 15 watts (active) / under 1 watt (power-save mode)
Size, Weight	138 x 114 x 27 mm (5.4 x 4.5 x 1.1"); 450 grams (1 lb); Milled Aluminum Case
Environmental	+50 to -20 °C Operating / +75 to -40 °C Storage
Gemini Kit Components	Gemini 4:4:4 Recorder, eSATA Transfer Station, Custom Fitted Hard Plastic Case, HD-SDI cables, HDMI cable, Hotshoe with 1/4"x20 Ball Mount, Universal AC Power Supply, 4-Pin XLR Power Cable
Optional Accessories	256GB / 512GB SSD Media, DC to DC Converter (Input: 20 to 32V, Output: 12V @ 4A), 56 Wh Battery and Charger, Sun Shade, Remote Control, D-Tap Power Cable
Notes	1080p50/60 data striped across both drives; 4:4:4 only supported in 1080p23.98/24/25/29.97 and 2048x1080p23.98/24; DPX file format support planned in future firmware Specifications subject to change without notice.

Gemini 4:4:4 Record Time (Minutes)

Media	1080p24 4:2:2	1080p24 4:4:4	1080p25 4:2:2	1080p30 4:2:2	1080p50 4:2:2	1080p60 4:2:2	1080i50 4:2:2	1080i60 4:2:2	720p50 4:2:2	720p60 4:2:2
256GB SSD (x1)	33	22	32	27	16	13	32	27	36	30
512GB SSD (x1)	66	44	64	54	32	26	64	54	72	60
512GB SSD (x2)	132	88	128	108	64	52	128	108	144	120