

Gemini 4:4:4™



Award Winning Uncompressed Recorder!

- 4:2:2/4:4:4 RGB S-Log 10-Bit
- Supports both Full Uncompressed and your favorite Compressed Workflows
- Low Power, Weight, Size, Cost
- \$5995 with transfer-station, hard case



3D (Option) and/or ARRIRAW (Planned) Support via paid upgrades

Gemini 4:4:4™ Technical Specifications

Feature	Specifications
Video Standards	HD-SDI, SMPTE 292M; HD-SDI Dual-Link, (SMPTE 372M; (HD-SDI 3G, SMPTE 424M - Planned)
Video Formats	1080p23.98/25; (1080p24/29.97/30/50/59.94/60, 720p50/59.94/60, 2048x1080p23.98/24 - Planned)
Video I/O	Four BNCs, (2 Input, 2 output, with individual power-down options), One HDMI (Type C) Output
Record Features	Uncompressed RGB 10-Bit 4:4:4 Recording into DPX file format (audio recorded into WAV file)
	Spans across drives (for longer record times) or (Record simultaneously to both drives – Planned)
	(Video can be recorded with or without baked-in LUTs – Planned)
Metadata	Reel Number, Scene Number, Take Number, and Project Name
Playback Control	Selection of One or More files to Play, (Play, Pause, Fast-Forward, Rewind and Step – Planned)
S-Log, Log-C Support	Support for S-Log, (Log-C and user programmable 1D LUTs - Planned)
Media	Two Slots for 1.8" Solid State Drives (SSD), 256GB / 512GB sizes; Spanning Supported
	SSD Performance: 250 MBytes/Sec Write, 415 MBytes/Sec Read, 6 Gbps SATA Interface
	Note: Only SSD Media supplied by Convergent Design can be used in the Gemini
Transfer Station	1.8" SSD to 6 Gbps eSATA transfer station included
Built-In LCD Monitor	5" high brightness LCD, 800 cd/m ² , 800 x (RGB) x 480 Pixels, 24-Bit, 900:1 True Contrast, Wide 170° Viewing Angle, Color Calibrated at Factory
	1:1 Pixel Mode (User positioning of desired window via touch-screen control – Planned)
Software Compatibility	Support for Avid, Final Cut Pro with GlueTools, Premiere, Smoke, Flame, DaVinci, others
Menu System	Touch Sensitive menu system, Menus can be hidden, LCD can be dimmed
Timecode	HD-SDI Embedded (SMPTE RP-188) or LTC via optional cable or Internally Generated Timecode
Digital Audio I/O	HD-SDI Embedded uncompressed, 24-Bit, 48K; 2-channels, stored in WAV format.
Analog Audio I/O	(3.5 mm jacks, mic or consumer line level input; headphone or consumer line level output planned)
3D - Dual Stream (Option)	(Paid option for Full Stereo (dual stream) record and playback in a single Gemini unit – Planned); Cameras must be Gen-locked to operate properly with the Gemini
	(Left and Right Video Streams recorded as individual files, in full uncompressed – Planned)
	(Vertical Flip, Horizontal Flop, for either/both streams – Planned)
	(Individual output of each stream or Combine: Side by Side, Line by Line, Anaglyph, 50/50 Composite and Luma Differencing – Planned)
ARRIRAW (Option)	Support for ARRIRAW recording and playback with Confidence Monitoring planned for April 2012
Remote Control (Option)	Wired Remote Control with Tally Light and LTC I/O (Options are extra cost items)
Power Requirements	5 to 19 Volts DC, 8 to 16 watts (active) / 4.0 watt (power-save mode planned); 7-second boot-up time
Size, Weight	138 x 120 x 37 mm (5.4 x 4.7 x 1.45"); 612g (1.35 lb); Milled Aluminum Case
Environmental	-10 to +40°C Ambient Temp (Operating) / -20 +70°C (Storage)
Gemini Production Kit	Gemini 4:4:4 Recorder, eSATA Transfer Station, HD-SDI cables, HDMI cable, Hotshoe with 1/4"x20 Ball Mount, Universal AC Power Supply, 4-Pin XLR Power Cable, D-Tap Power Cable, Stylus, Custom Fitted Hard Plastic Case
Optional Accessories	256GB / 512GB SSD Media, extra Transfer Stations, (DC to DC Converter (Input: 20 to 32V, Output: 12V), Sun Shade, Remote Control – Planned)
Notes	1080p29.97/30 and 1080p50/59.94/60 data (planned) must be striped across both drives, so simultaneous recording / 3D is not supported for these formats. (Data from two SSDs can be readily combined for editing). Also 1080p50/59.94/60 (planned) only supported in 4:2:2 sampling.
	Specifications subject to change without notice.

Record Times (Minutes)

Media	1080p24 4:4:4	1080p25 4:4:4	1080p30 4:4:4
256GB SSD (x1)	21	20	NA
256GB SSD (x2)	42	40	33
512GB SSD (x2)	84	80	66