

Gemini 4:4:4 versus nanoFlash

Feature	nanoFlash	Gemini 4:4:4
Full Uncompressed Recording		✓
4:4:4 Recording		✓
4:2:2 Recording	✓	✓
4:2:0 Recording, 35 Mbps and below	✓	
Standard Definition Recording	✓	
Dual Simultaneous Recording to two SSD's, via menu option		✓
Compressed Recording using the Very Low Noise Sony XDCam 422 Codec	✓	
"First Encode" capability via external computer using Apple Compressor, Adobe Media Encoder or other software		✓
Ability to Record and Playback Closed Captioning and other non-video data embedded in the HD-SDI Input Stream		✓
Ability to Record 10-Bit Video		✓
Ability to Record 1080p50, 1080p59.94 and 1080p60		✓
Wide Variety of HD Recording Bit-Rates: 18 to 280 Mbps	✓	
Wide Variety of SD Recording Bit-Rates: 3 to 50 Mbps	✓	
LCD Monitor for Menus and Settings	✓	✓
LCD Monitor for Menus, Settings, and Video, Live and Playback		✓
Touch Sensitive Screen		✓
High Brightness Monitor 800 Cd/M ²		✓
Extensive Support for Sony S-Log and others such as Log-C		✓
Support for Viewing LUTs (Look Up Tables)		✓
HD-SDI Dual Link and HD-SDI 3G		✓
Number of Embedded Audio Channels via HD-SDI	8	16
Number of Embedded Audio Channels via HD-SDI in 3D Mode	16	32
Time-Lapse, Over and Undercranking, PSF Support, 3:2 Pulldown Removal	✓	✓
Minutes of Uninterrupted Recording Time, Broadcast Quality, 50 Mbps 4:2:2, using two 128 GB CompactFlash Cards	~640	
Minutes of Uninterrupted Recording Time, Beyond Broadcast Quality, 220 Mbps 4:2:2, using two 128 GB CompactFlash Cards	~154	
Minutes of Uninterrupted Recording Time, Beyond Broadcast Quality, 280 Mbps 4:2:2, using Two 128 GB CompactFlash Cards	~120	
Minutes of Uninterrupted Recording Time, Full Uncompressed 4:4:4 1080p24, Using Two 512 GB SSD's		~88
Minutes of Uninterrupted Recording Time, Uncompressed 4:2:2 1080p24 Using Two 512 GB SSD's		~132
Hot Swapping for Virtually Unlimited Record Times	✓	✓
Single Balanced Analog Audio Input via 3.5 mm mini-jack	✓	✓
Stereo Unbalanced Analog Audio Input via 3.5 mm mini-jack	✓	✓
Headphone Output via 3.5 mm mini-jack	✓	✓
3D Option in One Unit		✓
RS-232 Serial Remote Control Protocol for special applications	✓	
Street Price in US	\$2,895	\$5,995
Current Product with Full Support from Convergent Design	✓	✓
Available Now, units in stock for immediately availability	✓	
Initial Shipments for Gemini 4:4:4: August, 2011		✓