

Gemini 4:4:4 versus nanoFlash Decision Matrix

Use this to help choose between the nanoFlash and the Gemini 4:4:4 for your applications

Requirement	nanoFlash	Gemini 4:4:4
Project will go Film-Out		✓
4:4:4 Recording Required for the project		✓
4:2:2 Recording	✓	✓
4:2:0 Recording, 35 Mbps and below	✓	
Standard Definition Recording Required	✓	
ENG Applications (nanoFlash may be preferred, Gemini 4:4:4 may be used)	✓	✓
Indie Filmmaking		✓
Production Companies, High-End Commercials, Major Studios		✓
Science, Military, Research, or any application with highest quality is required		✓
Very long duration surveillance applications	✓	✓
High Dollar Shoots where Dual Simultaneous Recording may lower insurance costs		✓
For Use with Sony PMW-F3 (Gemini Preferred)	✓	✓
For Use with Sony PMW-F3 with S-Log Option		✓
For Use with Sony F35, or Arri Alexa or other high end cameras		✓
Event Project where Compressed Recording is important	✓	
Project where client may want multiple codec deliverables (Gemini Preferred)	✓	✓
Requirement to Record and Playback Closed Captioning and other non-video data embedded in the HD-SDI Input Stream, exact duplicate of HD-SDI stream needed		✓
Requirement to Record 10-Bit Video		✓
Requirement to Record 1080p50, 1080p59.94 and 1080p60		✓
Requirement to Record Over-Cranked 1080p at greater than 30 frames per second		✓
Wide Variety of HD Recording Bit-Rates required: 18 to 280 Mbps	✓	
Wide Variety of SD Recording Bit-Rates required: 3 to 50 Mbps	✓	
Built-In Monitor required or desirable, for live viewing, during recording or playback		✓
Sunlight Viewable Built-In Monitor Required		✓
Requirement for unit to be used on a Steadicam (with built in Monitor)		✓
Support for Sony S-Log, Log-C, and others required		✓
Support for Viewing LUTs (Look Up Tables) required		✓
Burning-In of LUTs required		✓
HD-SDI Dual Link and/or HD-SDI 3G required		✓
Over 8 Channels of Embedded Audio Channels via HD-SDI required		✓
Support for Recording 3D Required (nano3D can work, Gemini 4:4:4 is better)		✓
Support for Recording Two Independent Video+Audio Streams Required		✓
Longer than 132 Minutes of 4:2:2 1080p24 recording desired (without hot swapping)	✓	
Unlimited recording of uncompressed footage required (with hot swapping)		✓
RS-232 Serial Remote Control Protocol for Special Applications	✓	
Budget Considerations	\$2,895	\$5,995
Recorder needed immediately (Gemini 4:4:4 initial availability August, 2011)	✓	
Initial Shipments for Gemini 4:4:4: August, 2011		✓

