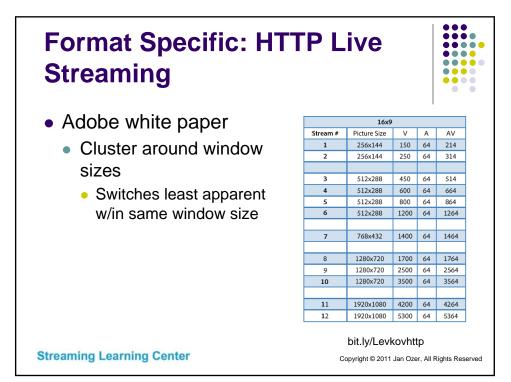


			ecific Strea				
							WORKS ON
16:9/	Aspect Ratio	Tatal	) (i al a a		D - stuist	iPod Touch	iPhone 4
	Dimensions	Total Bit Rate	Video Bit Rate	Keyframe	Restrict Profile to:	Gens 2, 3, 4 iPhone 3G 3GS	iPad 1, 2
CELL	480x320	64	na	na	na	*	*
CELL	416x234	150	110	30	Baseline, 3.0	*	*
CELL	416x234	240	200	45	Baseline, 3.0	*	*
CELL	416x234	440	400	90	Baseline, 3.0	*	*
WIFI	640x360	640	600	90	Baseline, 3.0	*	*
WIFI	640x360	1240	1200	90	Main, 3.1		*
WIFI	960x540	1840	1800	90	Main, 3.1		*
WIFI	1280x720	2540	2500	90	Main, 3.1		*
WIFI	1280x720	4540	4500	90	Main, 3.1		*
			Bit.ly/best	practicehttpli	ve		
Sti	reaming Le	arning Cen	ter		Copyright ©	2011 Jan Ozer, All Ri	ghts Reserved



eamin	Specifi Ig	0.01	lootin	
	Olympics	Sunday Night Football	Expression Encoder	Recommend
How many streams	6 per input, 8 total configurations	7 for HD input, 6 for SD input	10 for 1080p, 8 for all others	6-8
Resolution	Most are mod-16, all at least mod-8	2 are mod-4, all others mod-16	Most mod-16, all at least mod-4	At least mod-4, try for mod-16 in smaller sizes
Data rate (kbps)	400, 600, 900, 950, 1250, 1600, 1950, 3450	50, 350, 600, 950, 1500, 2250, 3450	230, 331, 477, 688, 991, 1400, 2100, 3000, 5000, 6000	Smooth Streaming Calculator
Frame rate	29.97 for all streams	29.97 except lowest quality stream (15 fps)	All match source	Source
Profile/Level	NA	NA	Main	Main
Entropy Encoding	NA	NA	CABAC	CABAC
B-frame interval	1	1	1	1
Reference frames	Unknown	Unknown	4	4
VBR/CBR	CBR for live, 110% constrained VBR - on demand	All live, all CBR	CBR - 1 pass	CBR
Key frame interval/chunk size	2 seconds	2 seconds	2 seconds	2 seconds
Client side buffer	5 seconds	5 seconds	4 seconds	4 seconds
Audio parameters	48 kbps for all streams	48 kbps for all streams	160kbps stereo audio for all streams	48 kbps mono for all streams

## Format Specific: RTMP/HTTP Flash

Preset	Resolution	Video bitrate (kbps)	Profile	Key frame	Audio bitrate (kbps)	Channels
Phone and Tablet, 3G, 16x9	512x288	300	Baseline	72	48	Stereo
Phone and Tablet, 3G, 16x9	512x288	450	Baseline	72	48	Stereo
Phone and Tablet, 3G, 16x9	512x288	650	Baseline	72	48	Stereo
PC &TV, SD, Med, 16x9	768x432	1,140	Main	72	64	Stereo
PC &TV, SD, High 16x9	768x432	1,740	Main	72	64	Stereo
PC &TV, HD, Med, 16x9	1280x720	2,440	High	72	64	Stereo
PC &TV, SD, High 16x9	1280x720	3,440	High	72	64	Stereo

