







HD in Production



- Why should you care?
 - Co-productions on the international market require HD (in various formats)
 - Multi-purposing of Content for DVD, HD-DVD, Cinema, etc.
 - To have Content in the archive including rights
 - New business concepts and competition to private broadcasters (announcements for Eurofoot 2006 etc.)
 - HD devices will continue to fall in price
 - Digital film
 - Gain quality headroom due to the impact of new, large displays











HDTV – relevant 50 Hz Standards						
Use Case	System Abbreviation	Frame Rate [Hz]	Sample/ Line	Active lines/ Frame	Sampling Frequency [Hz]	Standard
"Sport"	"1080/1/25"	25 (50 Fields)	1920	1080	74.25 MHz	SMPTE 240 ITU-R 709
	"720/P/50" Not in ITU	50	1280	720	74.25	SMPTE 296M (incl.50Hz) ITU-R 1543 (no 50Hz)
Ideal Future	"1080/P/50"	50	1920	1080	148.5 MHz	SMPTE 274
News?	HDV-1	24-60p	1280	720	74.25 MHz	No Standard;
(4:2:0)	HDV-2	25i/30i	1440	1080	55.7 MHz	"Consortium"
"Film"	"1080/P/24-25"	24/25	1920	1080	74.25	SMPTE 274
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