

# Analog Recording Formats

Format	Features	Introduced	Interfaces	Recorder Cost	Applications
Quad	First Videotape	1956	NTSC RS-170	\$100K?	All NTSC Recording until 1970s
Type C	First Professional Helical Scan Recording	1972	NTSC RS-170	\$100K?	Professional Recording 1975-1990
U-matic	First VCR	1969	RS-170, Y-688	\$2K	1 <sup>st</sup> Use of Video for News Gathering
Betacam	1 <sup>st</sup> Professional Analog Component	1985	CAV	\$30K (obs.)	News Editing
M II	Analog Component	1987	CAV	?	News Editing, Low-end Production
Betacam SP	Enhanced BW Analog Component	1989	CAV	\$30K (obs.)	News Editing,

# Consumer Analog Formats

Betamax	First Home VCR	1976	NTSC RS-170	\$1K	Home Video
VHS	First Non-Sony VCR	1980?	NTSC RS-170	\$0.2K	Home Video
SVHS	First Full-Bandwith Heterodyne VCR	1988	NTSC RS-170, SVideo	\$0.5K (Consumer) \$2.5K (Industrial)	Home, Industrial Video
Hi8	First Full-Band Compact VCR	1989	NTSC RS-170, SVideo	\$1K (Consumer) \$7K (Industrial)	Home, Industrial Video

# Digital Video Formats

Format	Features	Introduced	Interfaces	Recorder Cost	Applications
D1	First Digital Component	1987	D1 Serial, Parallel	\$120K	High-Quality Post Production
D2	Digital Composite	1988	D2 Serial, Parallel	\$65K	Broadcast Station
D3	D2 in ½" Cassette	1990	D2 Serial	\$50K	Broadcast Station
D5	D1 in ½" Cassette, 10bits	1993	D1 Serial	\$72K	Post Production
Digital Betacam	1 <sup>st</sup> Professional Digital Compressed Format	1994	CAV 4:2:2	\$50K	Field, Low-Cost Production
D5-HD	4:1 DCT Compression of 1125/60 to D5	1996	HD Serial	\$150K	HDTV Research, NHK Broadcasts
Betacam SX	1 <sup>st</sup> Professional MPEG	1996	CAV	\$30K	Field, News Production
DV	1 <sup>st</sup> Analog Digital Video	1996	NTSC, IEEE-1394	\$3K	Serious Consumers
DVCPRO	2X bitrate DV	1996	NTSC, IEEE-1394	\$17K	News Production
HD-2000	1125, 720 line and Proscan formats to D5	1997	?	\$95K	HDTV
D6	Costs More	1997	SMPTE 240, 260	\$400K	HDTV