

TABLE 3 CODEC TRENDS BY APPLICATION

Application	Current algorithms	Future codec considerations
Security/surveillance	Motion JPEG, H.263 MPEG-4 Simple Profile	JPEG2000, H.264 Baseline, WMV9
Videophone/ videoconferencing	H.263, H.261	H.264 Baseline
Internet streaming	Windows Media, Real Video, DivX, MPEG-4	Frequent updates, PC platform has allowed support for proprietary codecs
DVD	MPEG-2 MP at medium level	H.264, VC-1 required for HD-DVD and Blu-ray DVD
Digital-terrestrial TV	MPEG-2 MP at medium level, MP at high level	Opportunity for advanced codecs in regions without installed base
Satellite	MPEG-2	Moving to H.264 High Profile to boost HD-channel capacity
DSL-based video on demand	MPEG-1, low-resolution MPEG-2 with bandwidth limitations	WMV9, H.264 Main Profile, On2 VP6
Digital still cameras	Motion JPEG and MPEG-4 Simple Profile	H.264 Baseline
Digital-video camcorders	DV-25	MPEG-2, MPEG-4
Cellular media	MPEG-4 Simple Profile	Real Video, H.264 Baseline, AVS-M