

**TABLE 1—COMPARISON OF H.264-ENTROPY-CODING APPROACHES**

<b>Characteristics</b>	<b>VLC</b>	<b>CABAC</b>
Where it is used	MPEG-2, MPEG-4, ASP	H.264/MPEG-4 AVC (high-efficiency option)
Probability distribution	Static: probabilities never change	Adaptive: adjusts probabilities based on actual data
Leverages correlation between symbols	No: conditional probabilities ignored	Yes: exploits symbol correlations by using "contexts"
Noninteger code words	No: Low coding efficiency for high-probability symbols	Yes: exploits "arithmetic coding," which generates noninteger code words for higher efficiency