

Video Transmission Over High-speed WPANs Based on Low-power Data Compression

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Abstract

In our presentation the latency-constrained video transmission over high-speed wireless personal area networks (WPANs) is discussed. Low-power single-layer video compression is proposed as an alternative to an uncompressed and to scalable video transmission. A video source rate control based on MINMAX quality criteria is introduced. Practical results for video encoder based on H.264/AVC standard are also given.