Figure 1. (a) Encoder Overview  
(b) Adaptive quantization step size based on the background luminance level

Figure 2. (a) Thresholded Binary Image for 31st Frame in Football Sequence  
(b) Final Segmentation for 31st Frame in Football sequence

Figure 3. (a) Bits Comparison with MPEG (solid line) for Mobile Calendar  
(average bit rate is 3.4Mb/s for both schemes) 
(b) PSNR Comparison with MPEG (solid line) for Mobile Calendar  
(average PSNR is 33.0dB versus 31.1dB for MPEG)