ITU-T Workshop
Video and Image Coding and Applications (VICA)

Abstract

Speaker:	Michael Horowitz CoVi Technologies/USA
Session:	2: Applications
Title of Presentation:	The impact of new and emerging video surveillance technology on future video coding standards

Recent advances in video surveillance technology enable security systems to provide far greater visual utility than in the past. New, fully digital video cameras and digital media storage devices offer high definition video with high dynamic range and event-based archive storage and retrieval. Video coding standards are necessary (though not sufficient) to ensure easy and reliable exchange of video content, for example between security professionals and law enforcement. However, because these applications demand cost effective transport and storage of data-intensive, high definition video, coding efficiency capabilities of existing standards will be taxed. Further, features such as video authentication (i.e., tamper resistance) at the level of the bit stream may require new coding tools for efficient implementation. In this talk, we will focus on the potential impact of new and emerging video surveillance technology on future video coding standards.