

ITU-T Workshop

Video and Image Coding and Applications (VICA)

Abstract

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Title of Presentation: Home Network Perspective on Digital Video Codec

Coupled with a fundamental need for entertainment alternatives, digital media are paving the way for explosive growth in new types of consumer products and services. Video Compression Technology gives us service varieties of video and images through various media including broadcast and IP networks. With the recent emergence of home networks, it now becomes possible to extend services beyond the edge of the home, to devices on a home network. This will bring new levels of convenience, mobility, and flexibility to the consumer, and will open the door to many new service possibilities.

In this presentation, four examples of Home Network Applications on H.264/AVC Video Codec are described. The first one is an application for next generation Set-Top- Box which aims at unifying broadcast and IP-based services on a home network. Second is for TV Conference system, applicable to IP networks and home network environment. Third is for 1-segment broadcast system for mobile phones, the service is planned in spring next year in Japan. Satellite broadcast system adopting H.264 Video Compression Technology is described in the last. This will give great benefit to residents in isolated areas where propagations of terrestrial digital broadcast signal are not sufficient.