

Advanced Video Compression

H.264 Scalable Video Coding

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Application Area

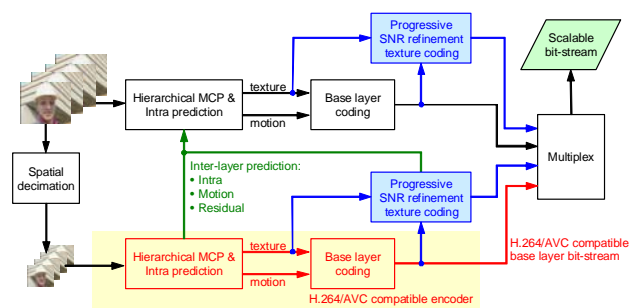
Multiple use of the same content demands heterogeneous media delivery, which means

- ❑ *different users*
- ❑ *different displays*
- ❑ *different links*

A scalable coding scheme permits to meet different requirements at the same time.

Features

- ❑ The scalable video encoder generates a base layer and several extension layers.
- ❑ Decoders combine certain layers and adapt to different
 - bit rates,
 - frame rates, or
 - spatial resolutionsof the video content.
- ❑ The HHI proposal proved highest efficiency during MPEG-21 Core Experiments
- ❑ Based on this approach, SVC standardization is in progress as an extension to H.264 / AVC.



Example SVC Encoder

Demo

An SVC decoder is shown which can be configured interactively to switch between different spatial, temporal and quality levels.