

VC-7301

H.264 High Profile Encoder

The VC-7301 is a multiformat-compliant encoder, employing High Profile@Level 4.0 of the H.264/MPEG-4 AVC coding scheme for video encoding. By applying various technologies cultivated through the digital terrestrial broadcasting CODEC, the VC-7301 can realize the high picture quality even under low bit rate and support various operations with flexibility. Therefore it is most suitable for a wide range of usages such as digital broadcasting transmission output applications and server-type broadcasting services.



Features

Video Encoding

- Employs H.264/MPEG-4 AVC coding standard for video compression format to support High Profile Level 4.0.
- Employs a specified-color-adaptive coding algorithm based on the encoder for digital terrestrial broadcasting equipment, to especially enable the flesh color, whose deterioration is subjectively distinguished, to keep high picture quality.
- Employs a The original high compression algorithm.

Audio Encoding

Our audio compression scheme complies with MPEG-2/MPEG-4 AAC LC Profile, and HE-AAC coding standards. Up to 4ES can be encoded.

Ancillary Control

Video display aspect ratio and audio mode can be controlled in real time by the inter-stationary control signal (compliant with ARIB STD B-39).

Digital Subtitle Data Packetization

It is possible to extract the subtitle data (compliant with ARIB STD-37) embedded on the video signal and to multiplex it with the stream signal.

