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H.261/ H.263 Video Codec Library

Introduction

The H.261 and H.263 video encoder/decoder (CODEC) is available as a set of library functions for the Philips Trimedia processor with drivers for all Alacron FastSeries Trimedia products.

Features

- Software library written in C, optimized for the Trimedia platform
- Real-time video compression and decompression in software
- Ideal for a wide range of digital video applications including
    - Video conferencing
    - desktop video
    - surveillance
    - remote inspection
- Reliable and robust encoding and decoding
- Takes full advantage of Trimedia custom opcodes and architecture

API Overview

Each instance of an Encoder or Decoder has an associated data structure that holds all of the configuration and status information for the instance. Input to the Encoder and output from the Decoder takes the form of Cr, Cb 4:2:0 data buffers (utility functions are supplied to convert this to/from RGB data). The output of the Encoder/ input to the Decoder is a buffer containing coded H.261 or H.263 data.

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