

## Description

IDT's R11CL is a broadcast quality MPEG-4 AVC/H.264 encoder that is optimized for live video streaming, as well as faster-than-real-time video file transcoding on general purpose x86 CPUs. Leveraging decades of video compression expertise and market proven technology from the professional and broadcast market, IDT's R11CL provides the highest quality video solution at the highest density for the cloud video market.

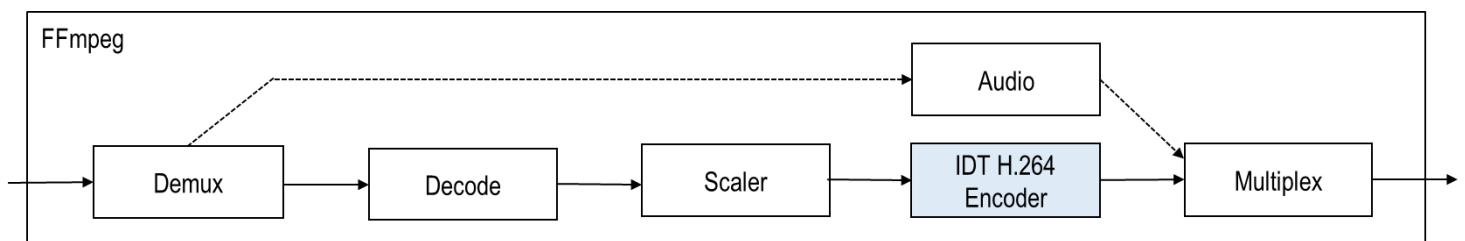
## Typical Applications

- Cloud video services
- Adaptive bit rate streaming
- High density video transcoding

## Features

- H.264/MPEG-4 Encoder optimized for live video streaming and file transcoding for the cloud video market
- IDR aligned multiple resolution outputs ready for OTT packaging
- Dense encoder solution for general purpose x86 CPUs
- Docker and VM support for use in private and public cloud environments
- Unique Computational Control System for highly efficient content adaptive encoding to maximize channel density and video quality
- Seamless integration into existing cloud workflows with FFmpeg framework plug-in support
- Live and File Input/Output
- H.264 profiles: high, main, baseline
- Dynamic adaptive GOP structure with up to 7 B frames
- Large hierarchical motion estimation
- Exhaustive professional mode search
- Programmable latency for tradeoff between video delay and quality
- User set intra refresh rate
- Scene change and fade detection
- Skin tone detection
- Adaptive quantization

## Block Diagram



**Corporate Headquarters**

6024 Silver Creek Valley Road  
San Jose, CA 95138  
[www.IDT.com](http://www.IDT.com)

**Sales**

1-800-345-7015 or 408-284-8200  
Fax: 408-284-2775  
[www.IDT.com/go/sales](http://www.IDT.com/go/sales)

**Tech Support**

[www.IDT.com/go/support](http://www.IDT.com/go/support)

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