

# JPEG CODEC

JPEG CODEC Intellectual Property (IP).

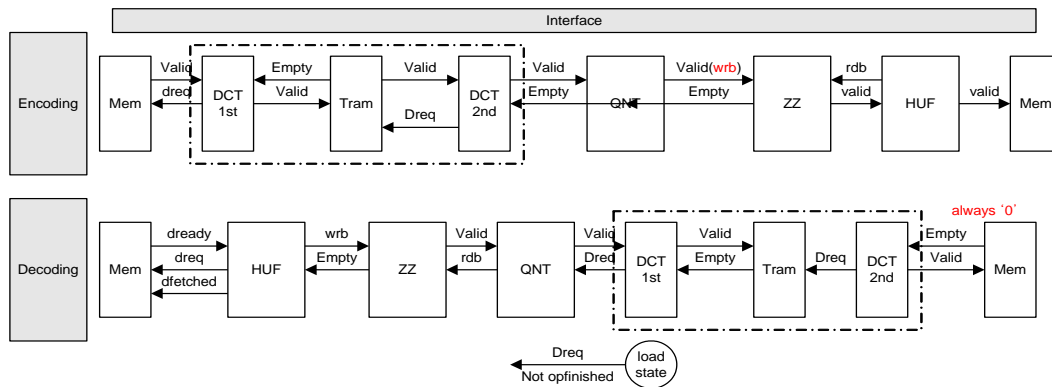
## Description

JPEG CODEC is fully hard-wired real-time. Compatible with baseline JPEG ITU-T T.81 | ISO/IEC 10918-1. Up to SXGA, an image which has size of multiple of 16 horizontally and multiple of 8 vertically, can be encoded to 4:2:2 format.

Decoding support is 4:4:4, 4:2:2, 4:1:1 and 4:2:0 format. The user-defined Huffman/ Quantize table support.

## Features

- Fully hardwired JPEG CODEC
- Compatible with baseline JPEG ITU-T T.81 | ISO/IEC 10918-1
- Up to SXGA, an image which has size of multiple of 16 horizontally and multiple of 8 vertically, can be encoded to 4:2:2 format
- Decoding supported 4:4:4, 4:2:2, 4:1:1, 4:2:0 format  
The user-defined Huffman / Quantize table supported



<b>Application area</b>	: Wide range of video/image applications
<b>Available documents</b>	: Data Book
<b>Design file formats</b>	: EDIF File Format , VHDL/Verilog Code
<b>Verification</b>	: Verilog Testbench
<b>Simulation tool used</b>	: Model Technology ModelSim™ 6.4