



JPEG Decoder

Product Data Sheet

v1.0

Updated: October 18, 2007

Features

- Supports Joint Photographic Experts Group (JPEG) image decoding
- Supports baseline and progressive modes
- Configurable support all the integer sampling formats allowed by the Baseline DCT coding. (4:4:4, 4:2:2, 4:2:0, 4:1:1 etc)
- Supports color conversion from YUV to RGB-565 or RGB-888.
- Configurable support for interleaved UYVY format
- Supports restart markers
- Supports JPEG, JFIF and EXIF thumbnails

Supported Platforms

- Hardware – i.MX ARM11™ platforms
- Software – eLinux, Windows® CE 5.0, Windows® Embedded CE 6.0 operating systems

Performance Details

i.MX31 eLinux Platforms

Typical Specifications: 1MP

Performance (MHz): 106

Memory Footprint (KB):

- ROM: 50
- RAM: 20.75

i.MX37 eLinux Platforms

Typical Specifications: 1MP

Performance (MHz): 104

Memory Footprint (KB):

- ROM: 50
- RAM: 20.75

i.MX31 WinCE Platforms

Typical Specifications: 1MP

Performance (MHz): 106

Memory Footprint (KB):

- ROM: 50
- RAM: 20.75

i.MX37 WinCE Platforms

Typical Specifications: 1MP

Performance (MHz): 104

Memory Footprint (KB):

- ROM: 50
- RAM: 20.75

For further details, contact a Freescale customer representative.