



# JPEG Encoder

## Product Data Sheet

v1.0

Updated: December 18, 2008

### Features

- Supports Joint Photographic Experts Group (JPEG) image decoding
- Supports 420 or 422 or 444 YUV input
- Supports non-interleaved YUV in separate buffers.
- Supports YUV 422 interleaved input
- Configurability for various quality factors [0,100].
- Configurability to set restart markers into the JPEG bit-stream.
- Supports JFIF and EXIF thumbnails.
- Configurable support for macro-block row/group of macro-block rows based encoding
- Support cropping of input
- Support raw data output

### Supported Platforms

- Hardware – i.MX ARM11™ platforms
- Software - eLinux operating system

### Performance Details

#### **i.MX31 eLinux Platforms**

Typical Specifications:1MP  
Performance (MHz): 105MHz  
Memory Footprint (KB):

- ROM: 50.00
- RAM: 35.75

#### **i.MX31 Windows® CE Platforms**

Typical Specifications:1MP  
Performance (MHz): 105MHz  
Memory Footprint (KB):

- ROM: 50.00
- RAM: 35.75

*For further details, contact a Freescale customer representative.*