



# VPU Encoder for iMX27

## V1.00 Product Data Sheet

Date: March 10, 2008

### Features

- Gstreamer Plugin component for Linux platforms
- Directshow component for WinCE Platforms enabling easy integration into Direct Show Applications
- Uses Hardware Video Encoder supporting,
  - H264 Baseline Profile @ Level 3.1 Encoder
  - MPEG4 Simple Profile Encoder
  - H263 P3 Encoder
- CIR (Cyclic Intra Refresh)/AIR (Adaptive Intra Refresh)
- Error resilience tools (MPEG-4 resync-marker & data-partitioning with RVLC)
- Supports embedded bit-rate control (CBR & VBR) and user-specific picture level rate control are supported
- Error detection and concealment
- Gstreamer Plugin component for Linux platforms
- Directshow component for WinCE Platforms

### Supported Platforms

- Hardware – iMX27 Platforms
- Software - eLinux and WinCE 5.0

### Performance Outline(Will be provided on request)

#### iMX27 eLinux

Typical spec: : D1@30fps, 1.5Mbps  
Performance (MHz): 266Mhz

Use case: D1 @ 30fps

#### iMX27 WinCE

Typical spec: D1@30fps, 1.5Mbps  
Performance (MHz): 266MHz

Use case: D1 @ 30fps

*For further details, contact Freescale customer representative.*