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semiconductor

MPEG-4 ASP Decoder
Product Data Sheet

v1.1

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Features

- Supports MPEG4 simple profile (SP) @ level 3 (L3)
- Supports MPEG4 advanced simple profile (ASP) @ level 5 (L5)
- Supports H.263 standard
- Low latency
- ISO conformance

Supported Platforms

- Hardware – i.MX ARM9™ and ARM11™ platforms
- Software – eLinux, Windows® Embedded CE operating systems

Performance Metrics

i.MX ARM9™ eLinux Platforms
Typical Specifications: CIF, 30fps, 500Kbps
Performance (MHz): 140.00
Memory Footprint (KB)
- ROM: 25
- RAM: 240
Max System Support: VGA, 30fps, 2Mbps

i.MX ARM9™ Windows® CE Platforms
Typical Specifications: CIF, 30fps, 500Kbps
Performance (MHz): 169.00
Memory Footprint (KB)
- ROM: 25
RAM: 240
Max System Support: VGA, 30fps, 2Mbps

i.MX ARM11™ eLinux Platforms
Typical Specifications: D1, 30fps, 4Mbps
Performance (MHz): 337.00
Memory Footprint (KB)
- ROM: 25
- RAM: 240
Max System Support: D1, 30fps, 4Mbps

i.MX ARM11™ Windows® CE Platforms
Typical Specifications: D1, 30fps, 4Mbps
Performance (MHz): 432.00
Memory Footprint (KB)
- ROM: 25
RAM: 240
Max System Support: D1, 30fps, 4Mbps

Performance measurements can deviate based on ARM core, memory and cache configuration on the board.
To measure directly, enable the TIME_PROFILE in the test application provided in the release package.

i.MX platforms containing VPU hardware acceleration are described in the VPU data sheet.

For further details, contact a Freescale customer representative.