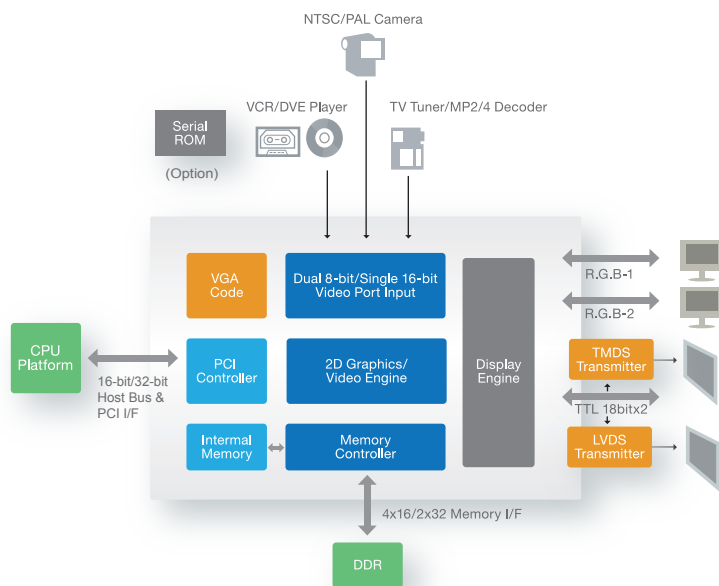


## BLOCK DIAGRAM



## SPECIFICATION

Graphics Engine	2D
Host Interface	16/32-bit Host Bus, PCI
Int. Memory	16MB DDR (option)
Ext. Memory	64MB DDR (max)
Resolution	1920 x 1440 (max)
Software Support	WinCE, WinXP, Win7, Win2003(32-bit/64-bit), Win2008(32-bit/64-bit), Linux Enterprise(32-bit/64-bit)
CPU Platform	Intel, AMD, ZFMicro, Freescale PPC, AMCC, STMicro, Marvell, Loongson and other PCI
Operation Temperature	C-Temp & I-Temp
Package	320-pin BGA MCM (19mm x 19mm)

## Orion Multimedia Platform

### Embedded Platform with S3C6410+SM718

Orion Embedded Multimedia System employs SM718 LynxSE+ GPU with Samsung S3C6410 ARM11 MCU and includes Linux or Windows embedded Operating System. It is designed to provide a cost-effective, low-power, high performance solution for mobile and embedded computing applications. Orion supports MPEG2, MPEG4, H.263, H.264 and VC1 hardware decode providing excellent media performance and power efficiency. Users can quickly and easily employ SMI GPU technology in their mobile and embedded products.

## S3C6410 FEATURES

- ARM1176JZF-S Based CPU
- 533MHz @ 1.1V, 667MHz @ 1.2V
- 64 to 256 MB DDR System Memory
- 256MB NAND Flash
- I2S Audio Codec Interface
- USB 2.0 OTG, USB 1.1 Host
- UART
- Ethernet

## SYSTEM FEATURES

- TV Composite and S-Video Outputs
- Stereo Audio Output
- SD/MMC Interface

## SOFTWARE SUPPORT

- **Windows Embedded Compact 7 and CE 6 R3**
  - Office Apps
  - Internet browser
  - Media Player video & audio
  - Games (DirectDraw)
  - Dual view display up to 1920x1440
- **Linux Version 2.6.x**
  - Xserver 1.7.5, Blackbox, Xterm
  - NAND, SD, TFTP and NFS boot
  - X11 based applications
  - MPlayer video & audio decoder
  - Dual display: DVI, VGA
- **Android Version 2.3**
- **Source Code, Sample, and Reference API Interface Provided**



### Silicon Motion, Inc.

8F-1, No. 36, Taiyuan St., Jhubei City,  
Hsinchu County 30265, Taiwan  
Tel: +886-3-552-6888

[www.siliconmotion.com](http://www.siliconmotion.com)