



# Si14 - Embedded Solutions



## Texas Instruments DaVinci © solutions

### Overview

DaVinci combines TI's offering of digital signal processing chips, software, tools and support for developing a broad spectrum of optimized digital video end equipments.

### Specifications

CPU	1 ARM9, DaVinci Video
RISC Frequency(MHz)	300
RAM	32
ROM	16 KB
EMIF	1 8/16-bit EMIFA,1 16-bit mDDR/DDR2
External Memory Type Supported	Async SRAM,mDDR,DDR2 SDRAM,OneNAND,NAND Flash,NOR Flash,SmartMedia/xD
DMA	Color Space Conversion, De-Block, De-Ring, Resize, Rotation, Mirroring
Video Port (Configurable)	1 Dedicated Output,1 Dedicated Input
Hardware Accelerators	Resizer,OSD,Previewer,H3A,Face Detection
Hardware Coprocessor	1 MJCP, 1HDVICP
Key Scan	1

EMAC	10/100
HPI	1 16-Bit
MMC/SD	2
DAC	3
ADC	1
McBSP	1
I2C	1
SPI	5
UART	2
USB	1 USB 2.0 HS
PWM	4
Timers	4 64-Bit GP,1 64-Bit WD
Core Supply (Volts)	1.35 V
Audio Codec Bundle	MP3,AAC,WMA,AEC
Voice Codec	1
Boot Loader Available	Yes
IO Supply (Volts)	1.8 V,3.3 V
Operating temperature	0 to 85
Storage temperature	-20°C to +125°C