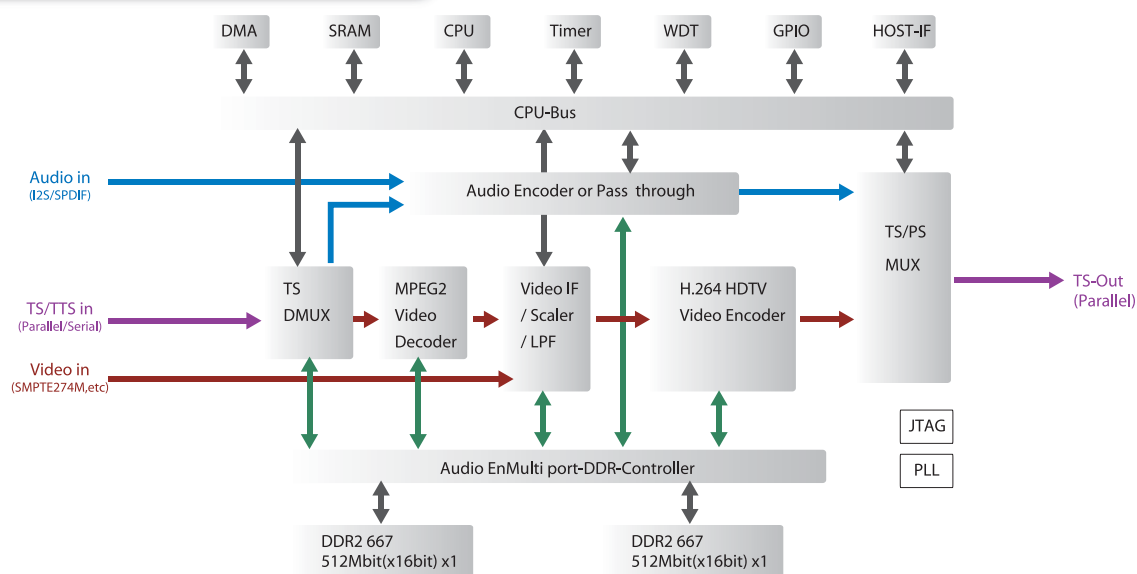


Matiz-Advance

High picture quality H.264 Encoder with MPEG-2 to H.264 Transcoder

Matiz-Advance is single-chip LSI that performs both H.264 encoding and transcoding. It features the latest enhancements to NTT Electronics world-class H.264 encoder and MPEG-2 decoder. Key functions of this updated LSI is high quality H.264 encoding and MPEG-2 to H.264 transcoding. Matiz-Advance is especially useful in applications that store video pictures in the MPEG-2 format, such as video servers, video editors and encoder/transcoder IPTV devices.

Matiz-Advance Block Diagram



Specifications

Compression technology	H.264	Encoder:	ISO / IEC14496-10(H.264/AVC) High Profile Level4.0 Main Profile Level3.0
	MPEG-2	Decoder:	ISO/IEC13818-2(MPEG-2 Video) MP@HL
Video input	SMPT274M / SMPT296M-2001 / ITU-R BT.656-4		
Stream input	ISO/IEC13818-2(MPEG-2 Video)		
Stream output	ISO/IEC13818-1+Amd3		
Audio	Audio PES through (Transcode), various other formats (Encode)		
Down Scaling	HDTV SDTV or through		
Host interface	16bit data bus		
Power supply	Core: 1.2±0.1v, I/O: 1.8±0.1v / 3.3±0.3v		
Power consumption	1.4W (Encode mode)		
Package	27mmx27mm, BGA		
External memories	512Mbit DDR2-667 x2		

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