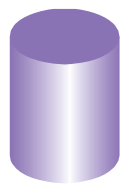# Matiz

MPEG-2 to H.264 Transcoder LSI

This LSI implements MPEG-2 to H.264 transcoding in a single chip. It can reduce the bit rate by half and double the compression ratio allowing HDTV or SDTV content in MPEG-2 format to be easily stored and transmitted while retaining premium video quality.

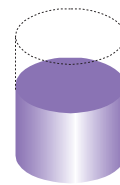### World's first Single Chip Transcoder LSI

- Halves the bit rate by transcoding from MPEG-2 to H.264
- Doubles the compression ratio while retaining exellent video quality
- Supports HDTV and SDTV formats
  Transcoding from MPEG-2 MP@HL to H.264 Main Profile Level 4 and Level 3
- Supports 3x nomal speed transcoding for SDTV
- Small size : 17mmx17mm
- 256Mbit, Data Bus 32bit 200MHz(128Mbit 16bit word DDR1x2)
- RoHS Compliant

Keeping picture quality
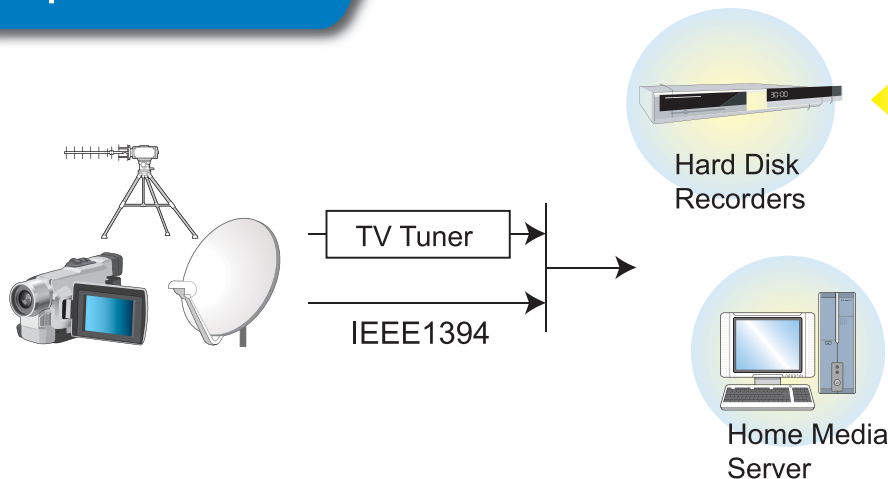
MPEG-2
Stream

$\frac{1}{2}$
bit rate

H.264
Stream

World's First !
1chip Transcoder

Specifications

TV Tuner

IEEE1394

Hard Disk
Recorders

Home Media
Server

Matiz