

SARAENC / SARADEC

H.264 High 4:2:2 profile MPEG-2 4:2:2 profile

H.264 & MPEG-2 HDTV Encoder Module

The SC50KE module is compatible with HDTV H.264 & MPEG-2 format and features a brand new LSI (SARAENC) .

Features

- Brand new H.264 & MPEG-2 Encoder LSI (SARAENC LSI) on board
- Available High 4:2:2 profile for H.264 & MPEG-2 Encoding
- Low Latency, small size (170mm x 110mm)
- 2ch audio PES inputs and 3ch user data PES inputs
- CABAC / MBAFF / PAFF
- Application : FPU(Field Pickup Unit),SNG (Satellite News Gathering),Contribution (Realtime system, Video server, Non-linear editing)
- RoHS Compliant

+

+

+

+

SC50KE

SC50KD

+

+

+

+

H.264 & MPEG-2 Professional Decoder LSI

SARADEC is the world's first H.264 decoder LSI compatible with High 4:2:2 profile.

Features

- H.264 Decoder : ISO/IEC14496-10 Compliance
Profile: Baseline (Except for ASO,FMO) , Main, High, High422(8bit)
Level (Max): 4:2:2 / 4:2:0
- MPEG-2 Decoder: ISO/IEC13818-2 Compliance
Profile@Level: 4:2:2P@ML, MP@ML, 4:2:2P@HL, MP@H14L, MP@HL
- HOST : 32bit Outer Host Processor Interface / Address : input 18bit
- Input Stream : MPEG-2 TS Multi Stream(8bit)
Input Rate: 160Mbps (Max)
- Low Latency, small size (25mm x 25mm)
- 2ch audio PES outputs and 4ch user PES outputs
- Video output format 1080i x 720p x 480i x 576i
- External DRAM 512MbDDR2(x16)x 4pcs
- RoHS Compliant