IT910 Block Diagram

RCA JACK 2*2

Y
Pb
Pr

digital video path

Front Control u_com
AT90S4414

RxD2   TxD2

UART CONN (9 pin)

JTAG CONN (20 pin)

TSQ[7..0]

Transport IC

SST39VF160
512*16 Flash

KM416V1204J-6
1M*16 DRAM

ST20-Tp4

I2C-0

EEPROM
AT24C64N

EADDR[7..0]
EDATA[7..0]

VPO[7..0]

Video_DEC

STi-7000

1M*16
1M*16 SDRAM
K3S6432C
8
8

CR[7..0]
YC[7..0]
CB[7..0]

Video DAC

THS8134

YPbPr or RGB

VGA CONN 15pin

R
G
B
H
V

digital video path

Vidoe Encoder

STV0118A

Y
C

S-video

CVBS

CVBS

analog video path

8VSB NIM

CVBS

Audio

Video Input Prosessor
SAA7111A

I2C-1

digital audio path

Video_IN

AudioIN_L

AudioIN_R

Analog Input Prosessor
TDA9850T

Audio_DEC

STi-4600

PCM Out

Audio DAC
AK4317

MUX
74HC4052

Auido-L
Auido-R

analog audio path

SPDIF(coaxial)

SPDIF(optical)

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