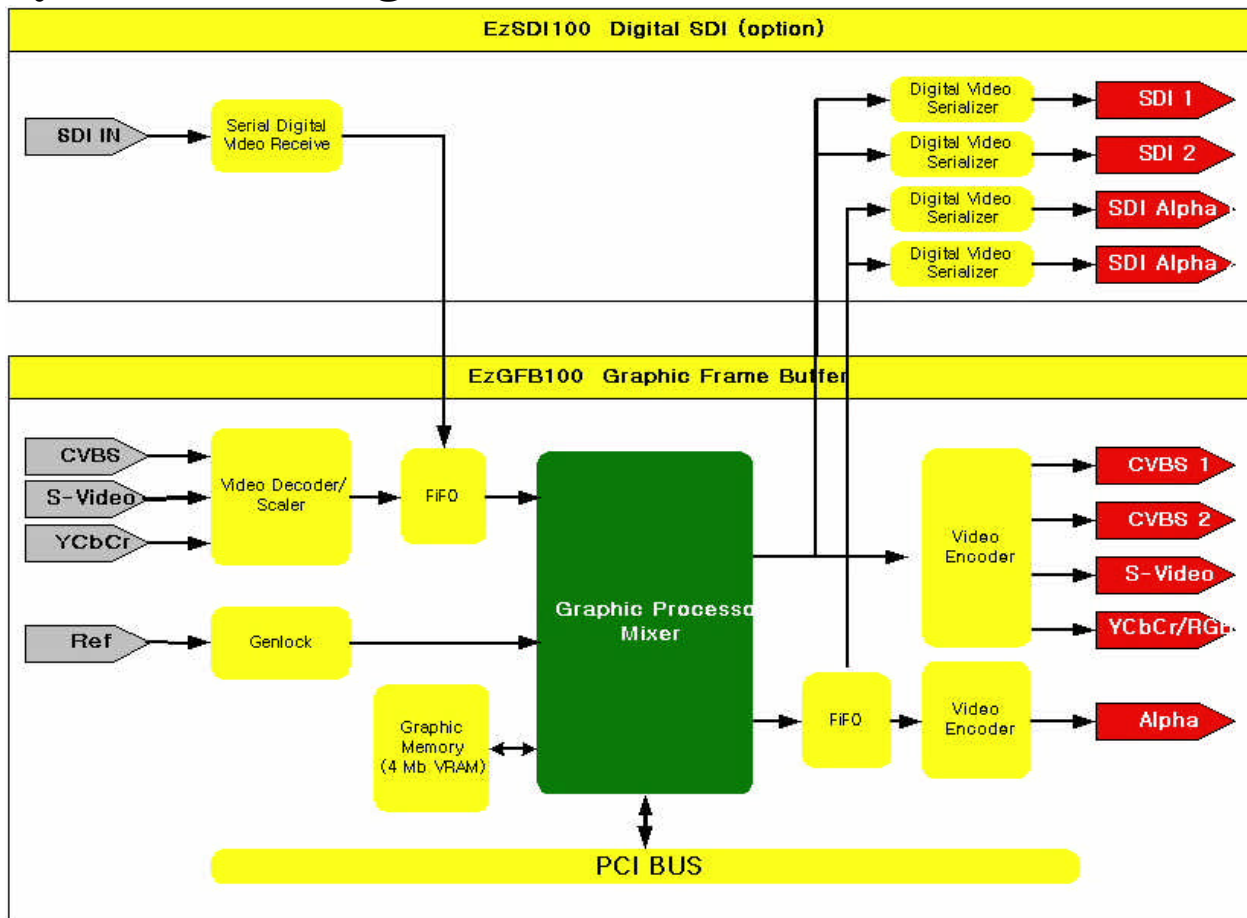


DigitalroseEZ H/W Spec.

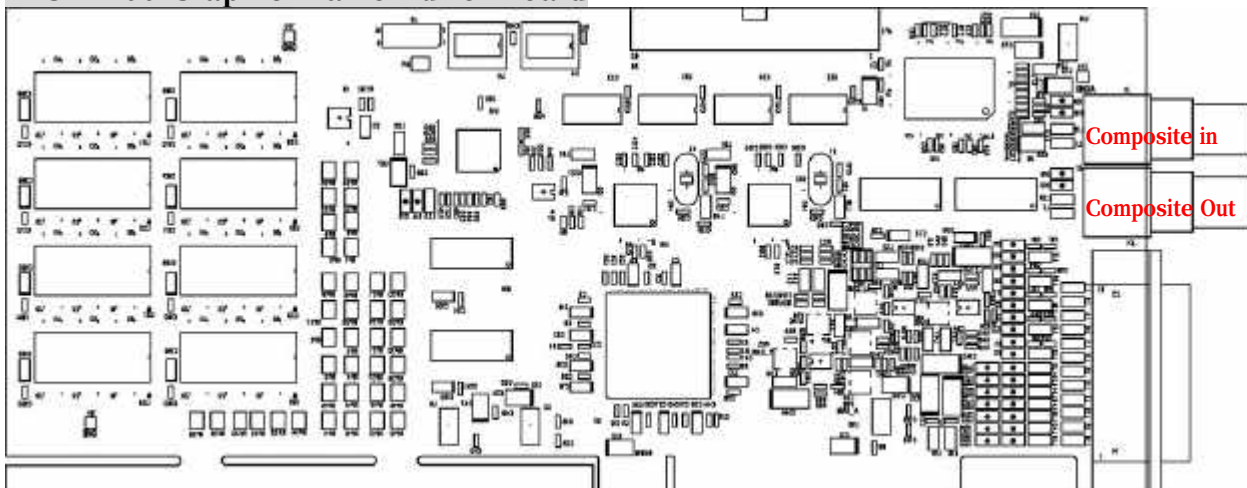
EZGFB100
Graphic Frame Buffer

Digitalfusion

System BlockDiagram



EzGFB100 Graphic Frame Buffer Board



Specifications

General

Single PCI slot Graphic Board
 PCI BUS transfer of data up to 133Mb/sec
 Composite, S-Video, YCbCr, Alpha
 Composite, S-Video, YCbCr Frame Grab
 Internal Color Bar Generator (When Power on PC)
 Genlock independent of Video input
 Software adjustable Genlock timing
 Master and Slave mode sync Generation
 Software adjustable Alpha Delay
 NTSC / PAL / SECAM operation
 2 Mbytes Video Memory
 High quality scaler/adapt comb

Electrical specifications

Analog Parts EZGFB100

Input

Standard Type	: NTSC / PAL
Input Signal	: Composite Video
	: S-Video
	: Component YcbCr
Genlock Input	: BB(Black Burst) or Composite Video

Output

Standard Type	: NTSC / PAL
Signal Type	: Composite Video 1 Output
	: S-Video 1 Output
	: Component YCbCr or RGB with Sync
Alpha Out	: 256 Level Linear Key Output

Graphic Memory

Memory Size	: 4Mbyte
-------------	----------

Output Resolution

720 * 486 (NTSC) / 720 * 576 (PAL)

Video Encoder

10 Bit high resolution Video Encoder
 Internal Color Bar Generator (Automatic display when power on)
 Programmable Phase(H,SC..)

Video Decoder

High quality down Scaler/adapt Comb
NTSC / PAL / SECAM standard type input
2 line luma and chroma comb filter
Programmable Gamma correction

Mixer

Digital Process
256 step proportional mixing

Video Capture

Composite Video / S-Video / YCbCr Input Signal
NTSC / PAL / SECAM Type
Scaler Function

Genlock

BB(Black Burst) or Composite Video Input Signal
Phase(H, SC..), Adjust Software Control
Master and Slave Mode

Alpha Delay

Adjust Software Control

Others

Dimensions

EZGFB100 252 x 107 mm

Operating temperature

0 °C ~ 40 °C

Operating power

+5V, +12V, -12V