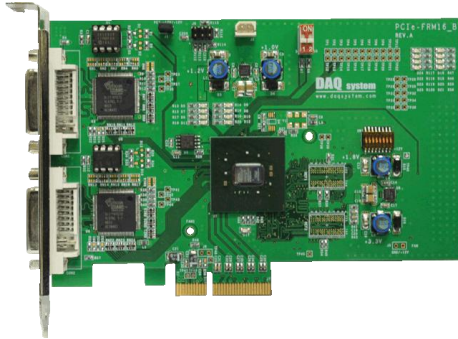


PCIe-FRM16_B

Dual DVI Frame Grabber with PCI Express Interface



INTRODUCTION

The PCIe-FRM16 is a PCI Express board having the function of processing the frame data received from DVI(Digital Visual Interface) and save the data in the system's main memory.

GENERAL DESCRIPTION

- ◆ Supports Dual DVI Inputs
- ◆ Full HD(1920x1200) Resolution

APPLICATION

- ◆ Black and White, Color Image Display
- ◆ Image Acquisition (Pattern, Particle etc)
- ◆ Inspection Equipment (Sensor, Semiconductor, Device etc)
- ◆ Medical Image Capture (X-ray, Supersonic)
- ◆ Security Solution (DVI Surveillance Cameras)

SOFTWARE

■ Operating System

- Windows 2000/XP/7/8/10 (32/64bit)

■ API

- Interface with Application through client DLL

SPECIFICATION

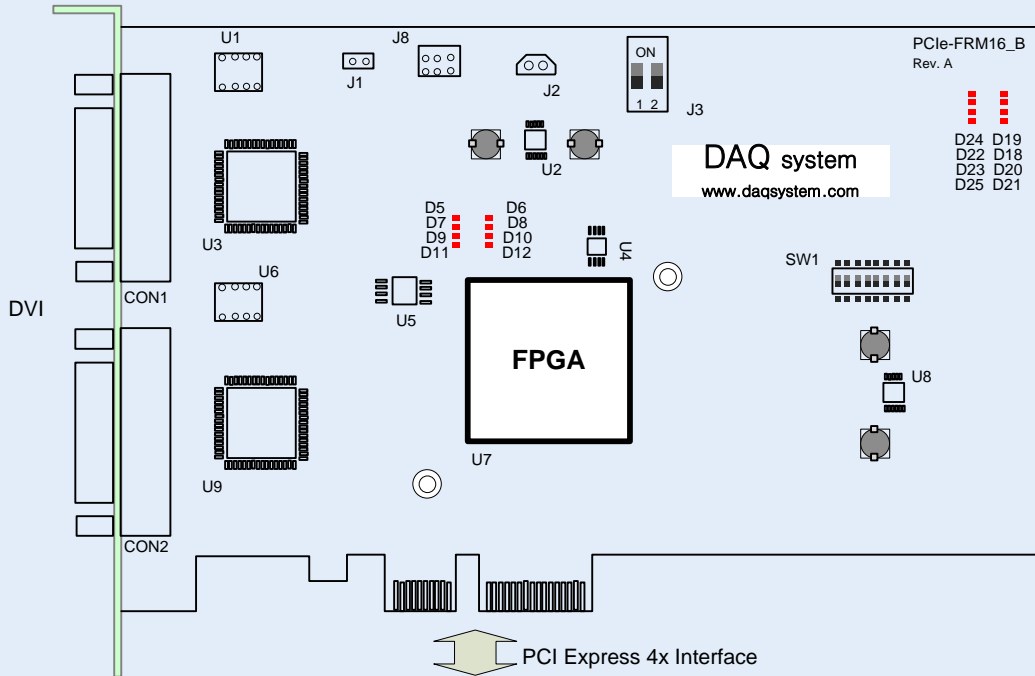
■ Features

- PCI Local Bus Specification V1.0 compatible
- PCI Target and Bus Master Operation
- PCI Express 4x Interface (GEN2)
- 24/16bit Image Frame Data Acquisition

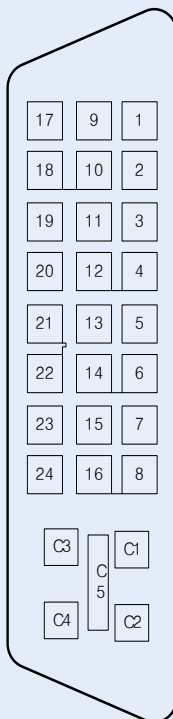
■ Functions

- All of the board functions are controlled by the logic program of the FPGA.
- DDC(100K I2C)
- DDC for automatic configuration

Board Feature



Connector Map



CON1, CON2 : DVI

PHYSICAL/ENVIRONMENTAL

■ From Factor

- PCI express 4x (GEN2)

■ Dimension

- DVI connector : CON1, CON2
- Dimension (not including connectors) : 152mm x 106 mm

■ Temperature

- 0 to 60°C, Operating
- -20 to 80°C Storage

■ Relative Humidity

- 5 to 95%, Non-considering

■ Power Requirement

- 3.3V Single Power Operation at Max. 300mA

BLOCK DIAGRAM

