

USB3-FRM14

HD-SDI Frame Grabber



INTRODUCTION

The USB3-FRM14 interworks with the HD-SDI Camera, it is a board already transmitting a frame to PC to USB3.0 Super Speed (5Gbps) methods.

GENERAL DESCRIPTION

- ◆ Support Two HD-SDI Cameras
- ◆ USB 3.0 Specification Host Interface
- ◆ Power by type-B connector for power(5V) or External 12V DC Power
- ◆ Super Speed Device 5Gbps
- ◆ 256MByte DDR2 (128MB x 2)

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 (CCTV Surveillance Cameras)
- ◆ Broad-casting

SPECIFICATION

■ Features

- USB 3.0 Specification
- Super Speed(5Gbps) device
- Supports USB3.0 specification type B Connector

■ Functions

- All of the board functions are controlled by the logic program of the FPGA.
- Support Two HD-SDI Cameras

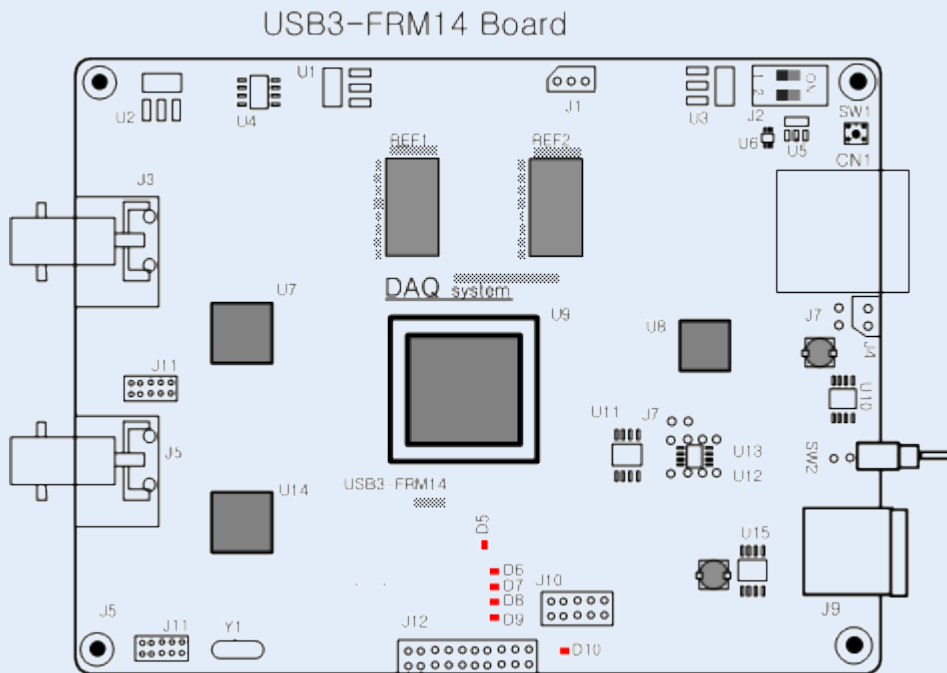
SOFTWARE

■ Operating System

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

■ API

- Interface with Application through client DLL

Board Feature**PHYSICAL/ENVIRONMENTAL****From Factor**

- USB3.0

Dimension

- Camera Interface : HD-SDI
- Dimension (not including connectors) : 109mm x 79.5 mm

Temperature

- 0 to 60°C, Operating
- -20 to 70°C Storage

Relative Humidity

- 5 to 95%, Non-considering

Power Requirement

- Power Supply through USB(Max. 500mA)
- 12V (Max. 1A)