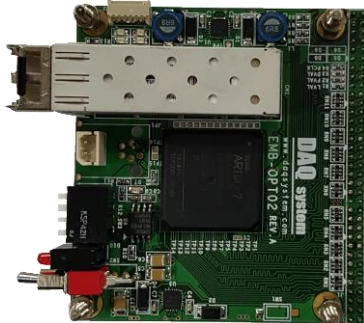


## EMB-OPT02

### Camera Link Fiber Transmission Board



#### **INTRODUCTION**

EMB-OPT02 is a board that the image data of the daughter board(EMB-OPT02\_CA02\_M) is transferred to the optical receiver board PCIe-OPT02 through the optical cable.

#### **GENERAL DESCRIPTION**

- ◆ Supports 1 Channel Camera Fiber Link
- ◆ Link Speed : 3.125 Gbps Bi-directional Data Link
- ◆ Maximum Transmission Distance : 100m
- ◆ 32bit Video Signal Input (Base Camera Link)
- ◆ 16bit GPIO
- ◆ I2C / UART(9600bps)
- ◆ Use Daughter Board for getting the Image  
EMB-OPT02\_CA02\_M : Base/Medium  
Camera Link

#### **APPLICATION**

- ◆ Remote Image Transmission

#### **SPECIFICATION**

- **Features**
  - Up to 3.125Gb/s bi-directional data links
  - 2x10 pin SFF-like footprint
  - Duplex LC connector
  - Metal enclosure, for lower EMI

#### **PHYSICAL/ENVIRONMENTAL**

- **Dimension**
  - Dimension (not including connectors)  
: 65mm x 69 mm
- **Temperature**
  - 0 to 60°C, Operating
  - -10 to 85°C Storage
- **Relative Humidity**
  - 5 to 95%, Non-considering
- **Power Requirement**
  - 12V DC Power Operation

Board Connections

With EMB-OPT02\_CA02\_M and PCIe-OPT02 Connection

