

## PCIe-OPT01

### Single/Dual Fiber Receiver Board with PCI Express Interface



#### INTRODUCTION

PCIe-OPT01 is a board that Camera Link, MIPI C-PHY/D-PHY signals received through the fiber cable, and transfer to PC.

#### GENERAL DESCRIPTION

- ◆ PCI Express (GEN2) 4x interface : 2 GBytes/s
- ◆ PCI Bus Master Operation
- ◆ All of the board functions are controlled by the logic program of the FPGA.
- ◆ Support VC++6.0

#### APPLICATION

- ◆ Remote Image Receiver

#### SOFTWARE

- **Operating System**
  - Windows 2000/XP/7/8/10 (32/64bit)
- **API**
  - Interface with Application through client DLL

#### SPECIFICATION

##### ■ Features

- Single/Dual Channel Fiber link
- Full Camera Link Signal Receiver
- MIPI C-PHY/D-PHY Signal Receiver
- Up to 6.25 ~ 8Gb/s bi-directional data links
- 2x10 pin SFF-like footprint
- Metal enclosure, for lower EMI

#### PHYSICAL/ENVIRONMENTAL

##### ■ Dimension

- Dimension (not including connectors)  
: 132mm x 68 mm

##### ■ Temperature

- 0 to 60°C, Operating
- -10 to 85°C Storage

##### ■ Relative Humidity

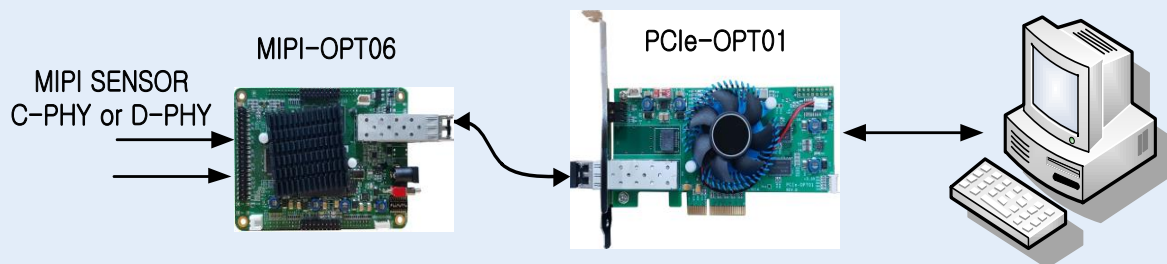
- 5 to 95%, Non-considering

##### ■ Power Requirement

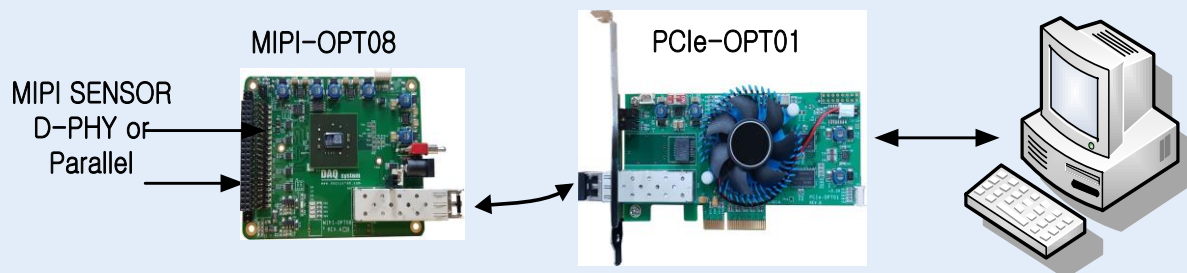
- 3.3V Single Power Operation at Max. 300mA

## ■ Board Connections (Single Fiber Link)

### MIPI-OPT06 and PCIe-OPT01 Connection

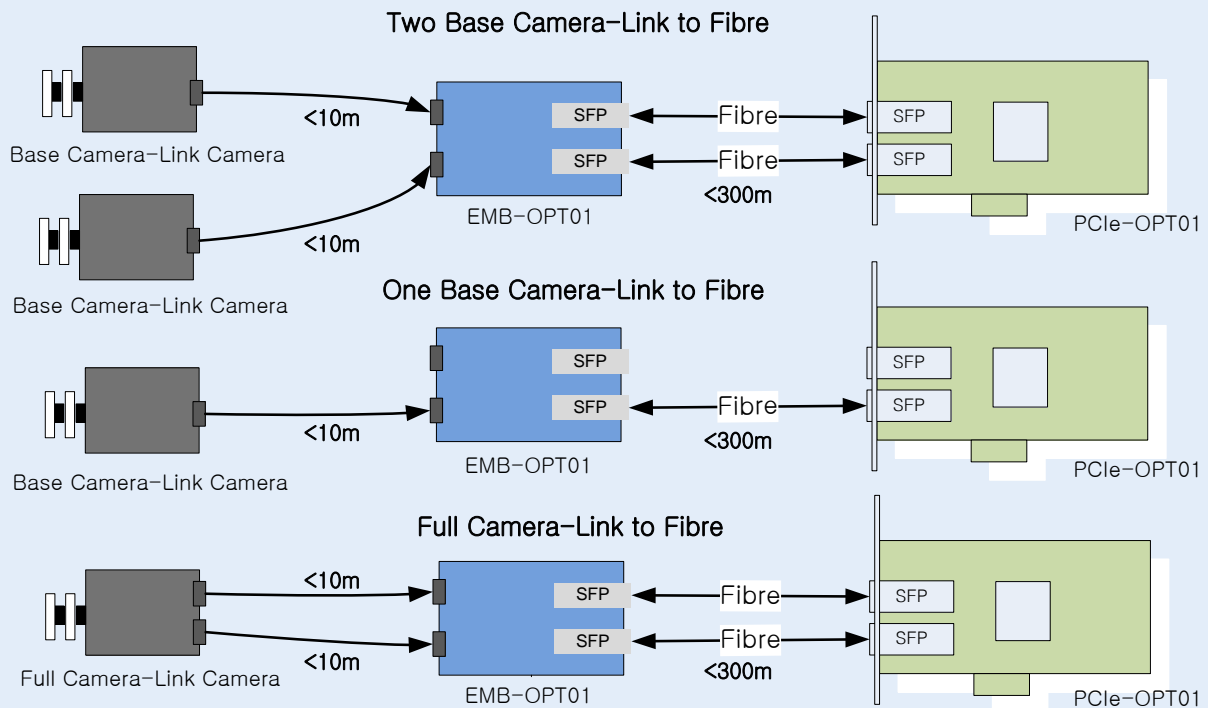


### MIPI-OPT08 and PCIe-OPT01 Connection



## Board Connections (Dual Fiber Link)

### EMB-OPT01 and PCIe-OPT01 Connection



### CL-OPT01\_R and PCIe-OPT01 Connection

