

## NET-FRM01

### High Performance Image Processing Board



#### **INTRODUCTION**

The NET-FRM01 is a board to receive data from Base Configuration Camera Link Camera and transmit the received data to the system via Ethernet(10/100/1000Mbps) Interface.

#### **GENERAL DESCRIPTION**

- ◆ Camera-Link Interface
- ◆ 10/100/1000Mbps Ethernet Interface

#### **APPLICATION**

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

#### **SOFTWARE**

- ▣ **Operating System**
  - Windows 2000 SP4/XP/7 (32/64bit)
- ▣ **Recommended Software**
  - Kernel Mode WDM Driver/User mode DLL

#### **SPECIFICATION**

- ▣ **Interface**
  - One Base Camera-Link Connector
  - RJ-45 Ethernet Connector
- ▣ **Input(Camera Link, Power)**
  - 1 Channel Camera Link
  - 12VDC External Voltage (circular type : HR10-7R-6S-RA)
- ▣ **Output(Ethernet)**
  - 10/100/1000MSPS Support
  - Automatic Cable Detection
  - Configurable Board Network Information(IP)
  - Only Fixed IP Support

**PHYSICAL/ENVIRONMENTAL**

▣ **Dimensions**

- Dimension (not including connectors)  
: 109mm x 80mm

▣ **Temperature**

- 0 to 70°C, operating
- -20 to + 80°C storage

▣ **Board Feature**

▣ **Relative Humidity**

- 20 to 80 percent, Non-condensing

▣ **Power Requirement**

- +3.3V Operation
- +1.2V FPGA core supply, Max. 6A

**BLOCK DIAGRAM**

