

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. UDP is best for image transfer.

GENERAL DESCRIPTION

- ◆ Camera-Link Interface
- ◆ 10/100/1000Mbps Ethernet Interface (UDP Only)

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)**

- 10/100/1000Mpsps 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

