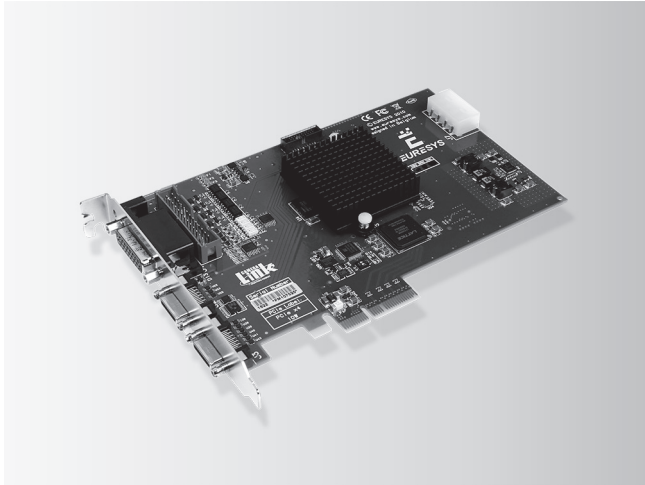# Grablink Full

用于单个完整配置Camera Link 相机的图像采集卡

功能

- 对于一个Camera Link 80位、Full、Medium或Base级配置相机
- 直接兼容市场上数以百计的Camera Link相机
- ECCO: 延长的Camera Link线缆长度
- PCIe x4总线: 850MB/s持续传输带宽
- 特征丰富的10条数字 I/O 线

介绍

Grablink Full为一款高性价比、支持单信道Full Camera Link的图像采集卡。可配置Base、Medium、Full Camera Link的相机，Grablink Full为PCIe x4 的板卡，其高速及高分辨率的区域性扫描或线性扫描可应用于印刷、大幅物体以及平面显示器的检测、3D检测以及高速的生产制造检测。

Specifications

Camera Link

No. of Ports	1 (One 80-bit (10 x 8-bit taps), Full, Medium or Base camera)
Port Connector	2 Shrunk Delta Ribbon (SDR) Miniature Camera Link (MiniCL)
Speed	6.8 Gbit/s (850 MB/s)
Peak delivery bandwidth	1024MB/s
Max. Cable length	15m (meter) (ECCO 16m)
Compatibility	Camera Link 2.0

Digital Input/Output

No. of lines	10 I/O lines: -2 differential inputs (DIN) -4 isolated inputs (IIN) -4 isolated outputs(IOUT)
Output range	Non-isolated, +5V, 1A and +12V, 1A, with electronic fuse protection
Electrical specifications	-DIN: High-speed differential inputs compatible with ANSI/EIA/TIA-422/485 differential line drivers and complementary TTL drivers -IIN: Isolated current-sense inputs with wide voltage input range up to30V, compatible with totem-pole LVTTL, TTL, 5V CMOS drivers, RS-422 differential line drivers, potential free contacts, solid-state relays and opto-couplers -IOUT: Isolated contact outputs compatible with 30V / 100mA loads

Power Requirements

Input Voltage	12 V_{DC} power input for I/O
Power consumption	Max. 6.9 W; Typ. 5.7 W (0.48 A @ 3.3V;0.34 A @+12V)
Connection	4-pin MOLEX power socket

Software

- **Host PC Operating System**
  -Microsoft Windows 10, 8.1, 8, 7, XP
  -MIcrosoft Windows Server 2012 R2, 2012, 2008 R2
  -Linux Kernel versions from 2.6 up to 3.13, compatible with a wide range of distributions
  -32- and 64-bit versions

Mechanics

Form Factor	Full height, half length, x4 PCI Express
Dimensions (W x D)	167.65 x 111.15 mm (6.6" x 4.38")

Environment

Operating Temperature	0 ~ 50°C (32 ~ 122°F)
Storage Temperature	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	10 ~ 95% RH

Ordering Information

- **AIA-ECF-HWE**   Grablink Full