# Navis-A4 | *PCI-Express Image Acquisition Board*
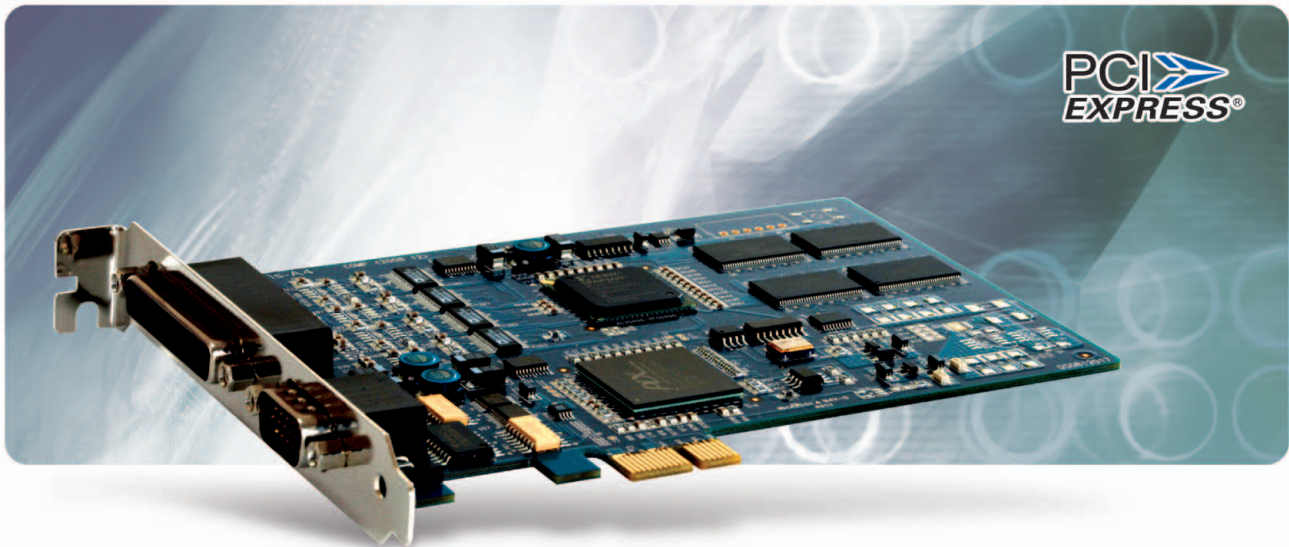


## Low cost, High performance Analog acquisition board with 4 black & white Camera interfaces

### Bus Interface

- ⊙ PCI-Express 1x interface (Ver. 1.0a compatible)
- ⊙ Up to 256MB/s Data transmission speed
- ⊙ Supported on both 32-bit and 64-bit Platforms
- ⊙ Bus mastering and Scatter - Gather DMA

### Camera

- ⊙ D-SUB 3R44P Female connector
- ⊙ Four analog black & white cameras
- ⊙ RS-170, CCIR
- ⊙ Interlaced / Progressive scan camera
- ⊙ Support External trigger mode
- ⊙ No Frame rate limit

### Acquisition

- ⊙ Four channels Real-time Image capture
  - The Image output from each Cameras transferred to System memory of PC within a few micro seconds via 1.2MB FIFO Frame buffer per channel
- ⊙ 640 x 480 ~ 1600 x 1200 Resolution
- ⊙ Support H/W and S/W trigger mode

### External I/O Control

- ⊙ D-SUB 3R15P Male connector
- ⊙ Four Opto-isolated Trigger ports
  - Trigger Signal Polarity & Delay control
  - Changeable to TTL trigger with option
- ⊙ Four Opto-isolated output ports
- ⊙ Four Strobe control outputs for Illumination control
  - Strobe Signal Polarity & Delay control

### Dimensions and environment

- ⊙ 150 mm L x 108 mm H  [5.91" x 4.25"]
- ⊙ Operating temperature range : 0 °C to 70 °C
- ⊙ CE class B pending
- ⊙ RoHS compliant

### Miscellaneous

- ⊙ 1.2MB FIFO Frame buffer per channel  for faster streaming
- ⊙ Easy Implementation with NEXL Library