ALTA AN1

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The Alta-AN is an affordable, versatile analog product family for Semiconductor and Industrial Vision OEMs. This family can acquire from almost any analog camera on the market; from high speed asynchronous-reset monochrome cameras to super high resolution color HDTV cameras. The Alta frame grabbers are high-quality, flexible, PCI Express bus imaging products that are well supported by an easy-to-use SDK and drivers for

most popular software imaging packages.

The Alta-AN1 has one Virtual Frame Grabber (VFG) and can support one analog camera of any type.

Specifications

- x4 PCI Express "short" card
- Super high quality discrete Analog Front End
- Three A-to-Ds per VFG (maximum clock rate: 160 MHz)
- Supports VGA, SVGA, XGA, SXGA, UXGA resolutions and beyond
- Per-channel programmable Gain/offset
- Supports single tap and dual tap monochrome cameras
- Supports RGB cameras (24 bits/pixel)
- Supports component YPbPr cameras (YUV 4:4:4)
- Supports asynchronous reset cameras
- Supports partial scan cameras (high frame rates)
- Programmable Region of Interest (ROI) via sub-windowing acquisition
- External hardware or software trigger
- Acquire at any frame rate
- Supports cameras up to 16K x 16K
- Supports interlaced and progressive scan cameras
- HD/VD/Composite sync signals in/out
- Supports WEN input signal
- Strobe output (programmable timing)
- Provides power to camera (12 V @ 0.5 A)
- Flowthru technology, no on-board frame buffers, zero latency data access
- Efficient interrupt driven architecture, no software polling required
- RoHS compliant