

## COMPUTING AND IO



Industrial automation and computer-based products, including fanless computers, rack mount computers, media converters, industrial switches and input output devices



Astronics Corporation is a leading supplier of advanced technologies and products to the global aerospace, defense and semiconductor industries. Astronics' products include advanced, high-performance electrical power generation and distribution systems, lighting and safety systems, avionics products, aircraft structures, engineering design and systems certification, and automatic test systems.



Digital Power Corporation designs, manufactures and markets flexible power supply solutions for the most demanding applications in the telecom, medical, industrial and military markets.



GMS has an operational model that requires utilization of the best CPU technology available from any supplier in the market delivering the highest performance in the smallest package and rugged environments. Size, Weight, Power and performance are the key drivers behind GMS products. GMS offers highest performance per WATT in smallest form factor for MIL spec computers. GMS offers board level as well as packed fanless computers, 19" rackmount and displays and smart displays for Military, Aerospace and heavy industrial applications.



Embedded computing and networking products including fanless computers, board level computers and IO, and rugged display products for industrial. Arbor also provides custom engineering services for OEM / ODM



Diamond Systems has one of the broadest selections of PC/104 I/O modules available in the world. Many of these modules are available in several versions with different combinations of features, so you pay for only the features you need. Extended temperature and 5V operation are standard on many of our products as well.



Telephony signaling technologies, platforms. Dialogic communications products based on open standards in the industry to empower you to create innovative mobile, video, IP, and TDM solutions for your customers. Dialogic works with application developers, systems integrators, content providers, handset manufacturers, and technology suppliers to jointly develop, market, sell to network providers.



IntegrYS offers a line of rack mount servers for rugged application. IntegrYS offers VALUE, COMPACT and PERFORMANCE line of servers and workstations delivering a wide range of cost effective, short depth chassis and high performance computing solutions. IntegrYS offers branding and custom configured options for its OEM customers.



Kontron is a global leader in embedded computing technology. Kontron provides high quality board level and packaged computing systems for Military, Industrial, Telecom, Transportation industries including VME, VPX, PC104, 19" rack, embedded, fanless PC



North Atlantic Industries designs and manufactures I/O (Input/Output) Boards, Power Supplies and Motion Simulation and Measurement Instruments for the Defense and Aerospace Industries. NAI is a leading supplier of high quality Commercial Off-the-Shelf (COTS) and Custom products in Commercial, Extended Temperature and Full-Military versions. Highly modular I/O configurations.



COTS and rugged DSP boards and radio spectrum system recorders for commercial, government and military systems, including radar, communications, medical and industrial control applications. VME, VPX, VXS, PMC, XMC, cPCI, PCI, PCIe and AMC boards for data acquisition, software radio.



Themis is a leading provider of Single Board Computers (SBCs) and systems solutions for mission critical applications in aerospace, data/telecommunications, military, and industrial control markets. Themis provides open standards-based embedded computing platforms that support the Sun Solaris, Linux, and Windows NT operating environments.



Provides high-quality instrumentation-grade portable computers, laptop and tablet computers ideally for Military, Industrial and general field use.



One Stop Systems (OSS) pioneered PCIe over cable products and has been first to market with many of the PCIe cable adapters, expansion kits, and expansion systems available today



EIZO Rugged Solutions, Inc. was established in 1987 under its original name, Tech Source, Inc. Since then, EIZO Rugged Solutions has been a pioneer in high performance computer graphics hardware solutions for niche markets. With a strong engineering team, the company has evolved over the years, now serving commercial, defense and other rugged markets that include Air Traffic Control/Management (ATC/ATM), avionics, military and embedded systems with several COTS (commercial off-the-shelf) and tailored (custom) products. The product range includes graphics, imaging and video capture boards, H.264 encoders and high compression video recorders.



Provide industrial IO modules and board level products for demanding industrial applications. The growing family of embedded interface modules are based on leading architectures such as PMC, XMC, CompactPCI, PCI, PCIe, IndustryPack, AMC, FMC, VME, and VME64x - addressing the requirements of communications and networking, analog, digital, fieldbus, motion control and FPGA applications.

## IMAGING AND VIDEO



Advanced illumination is a lighting solutions company, primarily serving the Machine Vision Industry. They provide solid state, Light Emitting Diode (LED) lighting products as well as supporting drive and control electronics. Ring lights, back lights, bar lights, co axial lights, strobe controllers, and a wide variety of LED lights.



Easy-to-integrate camera environmental housings. These provide optimal protection for cameras and lenses in industrial applications, and ensure good heat dissipation. autoVimation's product range also includes complete scalable set-ups for common applications like laser triangulation, parts measurement and solar cell wafer inspection



Cohu HD COSTAR provide rugged cameras for applications including naval vessels, traffic management systems, high value asset surveillance. CohuHD provides CCTV cameras in both fixed mount and PTZ as well as NVR/DVR systems and VMS.



DRS Technologies, headquartered in Arlington, Virginia, U.S.A., is a leading supplier of integrated products, services and support to organizations worldwide. The Network and Imaging Systems (NIS) division develops, manufactures and supports electro-optical technologies, including advanced cooled and uncooled thermal imaging solutions for industrial, security, public safety and firefighting purposes, as well as for man-portable, ground-vehicle, airborne, and maritime applications.



FLIR Systems Inc, (NASDAQ: FLIR) is a leading manufacturer of innovative imaging systems that include infrared cameras, aerial broadcast cameras and machine vision systems. Our products play pivotal roles in a wide range of industrial, commercial and government activities in more than 60 countries.



Allison Park Group, Inc. manufactures camera & lighting enclosures for harsh industrial environments. APG supports cameras from most manufacturers, including Cognex/DVT, Keyence, Omron, PPT, and Vision Components. environments, food (FDA) applications



An international family-owned business with a passion for sensor technology, encoders, measuring instruments and components for automated image processing. Baumer provides industrial machine vision packaged and board level cameras in GIGe Vision, USB and POE interfaces ranging from VGA to 20MP resolutions.



Basler is a leading developer and manufacturer of industrial cameras and high-quality digital cameras for applications in the fields of Factory Automation, Medical & Life Sciences, Intelligent Traffic Systems (ITS) and Retail, Area scan and line scan cameras fill the Basler portfolio of products. Basler looks back on more than 25 years of experience and expertise in the Vision Technology field.



E2v provides area array camera sensors as well as high quality, high performance line-scan cameras ideal for medical & science, aerospace & defence, and commercial & industrial markets.



Headwall is the world's leading high-volume manufacturer of original holographic diffraction gratings, optical modules, and fully integrated imaging instruments, pioneering designer and manufacturer of hyperspectral imaging spectrometers and spectral instrumentation for industrial, commercial, and government markets.



IRC manufactures and distributes custom high performance infrared imaging systems for exceptionally demanding scientific industrial and military applications.



ISVI is the Leading Global Supplier of High Resolution Fast Speed Cameras and ISVI has developed the latest line of advanced cameras Technology systems, the CoaXPress cameras.

The 25MP camera link camera, the 12MP and the 25MP CXP cameras are designed to meet the demands of the FA market and to achieve the high accuracy inspection and measurements and the fast production speed.



Imperx, Inc. designs, develops and manufactures advanced imaging products used in the machine vision, medical, defense, surveillance and astronomy markets, and wherever there is a need to capture high-resolution digital color or black/white images for both still and full-rate motion processing.



Integrys engineering services include vision system development for machine vision and advanced rugged CCTV systems. Integrys engineers work as an extension of our OEM customers engineering teams helping reduce development times and bringing added skilled resource to each project. Successful projects include rock/particle sizing solutions for mining, sorting/packaging, medical imaging, naval ship deck recording, rapidly deployable military covert and overt recording systems.



*See the possibilities*

High-quality industrial cameras for the machine vision, manufacturing, military, aerospace, homeland security, medical and scientific markets. JAI manufactures one of the broadest camera offerings of any industrial camera manufacturer in the world, offering high performance features and a wide range of advanced imaging capabilities



Matrox Imaging is a leading designer and manufacturer of PC-based hardware and software for machine vision, image analysis and medical imaging. Products include device-independent software development tools, standard frame grabbers, real-time vision processors and integrated imaging platforms and smart camera systems.



MORITEX develops and sells a diverse range of key devices and systems supporting high tech industries, using unique technologies in fields including optical fiber, machine vision, automated optical alignment, ball lenses, optical lenses and software as its core technologies.



Some of the highest quality standard and custom lens solutions for all area-scan and line-scan machine vision applications. Our products include: adapters & enlarging optics (Rodagon & Rogonar-S lenses) to fit all large format line-scan cameras, high-resolution MeVis-C lenses, standard C-mount CCD/CCTV lenses, telecentric lenses, macro CCD lenses, cylinder mount lenses, filters, light sources and accessories.



RGB Spectrum is a designer and manufacturer of products which integrate computer, video, and infrared signals for display and communications. Products include multi-screen display controllers, scan converters, real time video windowing systems, multiplexers, and display signal synchronizers.



Schneider Optics is the U.S. subsidiary of the world-renowned German optical manufacturer, Schneider-Kreuznach. Schneider offers high quality large-format photography, photo enlarging, motion picture projection, optical filtration, and machine vision industrial applications.



Sony provides analog, camera link, 1394 firewire machine vision cameras and recorder products.