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Allied Vision Technologies Exhibitor and Sponsor of the International Robots & Vision Show 2007

Contents:

Allied Vision Technologies
Booth #626
International Robots & Vision Show 2007
June 12-14, 2007
Donald E. Stephens Convention Center
Rosemont (Chicago), IL
www.robots-vision-show.info
www.alliedvisiontec.com

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"Seeing is believing" – Test drive innovative digital machine vision cameras by AVT in Chicago from June 12 to 14, 2007

Stadtroda/Newburyport, June 4, 2007 – One of the highlights of the Robots & Vision Show 2007 in Rosemont, IL will be the stand of Allied Vision Technologies (AVT), a fast-growing market leader in digital cameras for machine vision applications. From June 12 to 14, visitors of this major North-American automation trade show at the Donald E. Stephens Convention Center near Chicago will have a unique opportunity to discover the wide range of innovative digital camera solutions offered by AVT in the global market.

Premiere: New AVT Guppy Interlaced Digital Camera Range

The Allied Vision Technologies booth will showcases the innovative product range of the company, consisting in five camera families: Guppy, Marlin, Dolphin, Oscar and Pike. Visitors will have the opportunity to evaluate which camera is best suited for their needs and "test drive" it immediately on the stand. Highlights will be new product introductions within the entry-level **Guppy** range.

The **Guppy Interlaced** versions offer the solution users of analog camera systems had been waiting for to easily migrate to a fully digital machine vision system by combining the benefits of interlaced sensors with a digital FireWire (IEEE1394a) interface. Thanks to this innovative combination, applications relying on interlaced sensors can now be easily upgraded to a digital interface without having to migrate to a progressive scan camera.

In the conventional progressive scan segment, the **Guppy F-146** extends the family at the top of the Guppy range with a 1.46 Megapixel version offering an extremely attractive price/performance/resolution ratio.

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Growing in North America – Committed to North America

Allied Vision Technologies GmbH of Germany opened its North American branch office **Allied Vision Technologies Inc.** in Newburyport, MA. in the Fall of 2005. In hardly more than a year, the company has established itself as a key supplier of machine vision digital cameras in the American market through its participation in the Vision East Show in Boston in 2006 and the GoAVT! marketing campaign (www.GoAVT.com). Beginning of 2007, Michael Cyros, President of Allied Vision Technologies Inc., was elected a board member of the Automated Imaging Association.

Official Sponsor of Robots & Vision

"Being a leading supplier of digital cameras for automation and machine vision, there was no question AVT would exhibit at the International Robots & Vision Show", Cyros said. *"Besides, we are proud to demonstrate our commitment to the American market as a corporate sponsor of this major industry event".*

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“Interlaced Goes Digital” – New AVT Guppy Cameras Make Access to Digital Technologies Simpler Than Ever

Allied Vision Technologies has expanded its range of Guppy cameras with new models with interlaced sensors and clears the way for the transition from analog to digital transmission technology.

Stadtroda/Newburyport, May 22, 2007 – With the recent introduction of the Guppy camera range, Allied Vision Technologies, the leading provider of industrial digital cameras, provides an attractive solution for industrial users intending to upgrade from analog to digital technologies. With the new Guppy line, users of applications employing interlaced sensors now have an ideal opportunity to exploit the advantages of analog technologies in the digital world too.

Hardly Compatible – Until Now: Digital and Interlaced

Even today, most industrial image processing systems still employ analog data transmission technologies. *“An important reason for this is that almost every second application employs interlaced sensors,”* says Ingo Lewerendt, Product Manager at Allied Vision Technologies. This sensor type provides advantages in the fields of data transmission speed and sensitivity, but was, until now, only available for cameras with analog interfaces.

For many users, the lack of availability of digital interlaced sensor solutions therefore meant that they had to forgo these advantages when upgrading from analogue to digital. However, for many applications requiring high sensitivity, it is impossible to do so without cameras equipped with interlaced sensors. *“Even if we ignore this aspect, the changeover from interlaced to progressive scan sensors would have been complex and expensive,”* explains Ingo Lewerendt*, “as, in most cases, lenses, lighting and software would have had to be changed to permit the use of digital image processing*

with progressive scan." As a consequence, many users considered a changeover to be too complex and expensive.

The Best of Both Worlds – Interlaced Goes Digital

With the new interlaced Guppy camera models, Allied Vision Technologies now forges a link between formerly analog-only interlaced technologies and digital FireWire interfaces and, as a result, makes the transition from analog to digital signal transmission simpler than ever before.

"This innovation now allows our customers to combine interlaced sensors with digital technologies for the first time ever," says a satisfied Ingo Lewerendt. The new cameras are still equipped with the same interlaced sensors as the majority of analog systems. So the migration to a digital interface can be performed without any changes to the other system components such as sensors, lenses and software. *"The new AVT cameras safeguard earlier investments in interlaced sensor-based systems and optimize operations by employing digital signal transmission technologies,"* explains Lewerendt. *"In this way, the user no longer has to choose between the respective advantages of analog and digital technologies: now users really have the best of both worlds."*

The new interlaced cameras are based on the same platform as the other Guppy models and have the same compact form and FireWire 1394a interface. They are equipped with Sony interlaced CCD sensors with 0.25, 0.29, 0.38 or 0.44 megapixels and are available for black and white and color requirements. The range also features two versions with near infrared (NIR) 1/2" sensors. The interlaced Guppy is supplied with a new version of the AVT FirePackage software (2.6).

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Guppy	Sensor	Resolution	Frame rate	Information
F-025b/c	1/3” EIA	508x492	60 fields/s	Extremely sensitive through pixel size
F-029b/c	1/3 CCIR	500x580	50 fields/s	
F-038b/c	1/2″ EIA	768 x 492	60 fields/s	Widespread, typical analog camera sensor
F-044b/c	1/2″ CCIR	752 x 580	50 fields/s	
F-038b/c NIR	1/2″ EIA	768 x 492	60 fields/s	ExView HAD Extreme sensitivity Good for NIR applications
F-044b/c NIR	1/2″ CCIR	752 x 580	50 fields/s	

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Small case, big resolution:
Guppy F-146 by Allied Vision Technologies

The successful Guppy family of FireWire industrial cameras just got bigger with the introduction of a new 1.4 Megapixel model.

Stadtroda/Newburyport, June 4, 2007 – Allied Vision Technologies (AVT) is expanding the product line of its Guppy entry-level cameras by introducing a new model with 1.4 Megapixel resolution. With this, the leading producer of machine vision cameras offers an attractive solution in this megapixel range, therefore allowing an easy and affordable entry into digital technology.

Small, Simple, Ingenious

The new Guppy F-146 combines the characteristics of Allied Vision Technologies' successful Guppy series; small, simple and ingenious, with a FireWire IEEE1394a interface, robust construction and extremely compact case dimensions; not to mention an outstanding price/performance/resolution ratio. The new model is equipped with an XGA-2 CCD sensor (1.4 megapixel), and it is available in both color and black-and-white. For integration into systems with especially complex architectures, the Guppy F-146 can be obtained in an optional board level version available on request.

Guppy – Easy Entry Into Digital Image Processing

With the new F-146 version, the AVT Guppy range now includes 11 models with resolutions ranging from 0.3 to 1.4 Megapixel — each available in black-and-white or color. Guppy is especially suitable for users who want a simple and inexpensive upgrade from analog to digital image processing. The Guppy product line features both

progressive-scan and interlaced sensors, so that current users of interlaced technology can easily migrate to a digital camera solution for the first time.

With the addition of the Guppy F-146, Allied Vision Technologies now offers an extremely attractive and inexpensive entry-level solution above 1 Megapixel resolution.

Guppy F-146

	Guppy F-146b	Guppy F-146c
Sensor	Progressive Scan CCD Monochrome	Progressive Scan CCD Color
Resolution	1392 x 1024	
Frame rate	up to 17.7 fps (full frame)	
Interface	FireWire IEEE 1394a	

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Michael Cyros appointed to AIA board

Head of Allied Vision Technologies Inc. board member of AIA since January 2007

Stadtroda/Newburyport, April 25, 2007. – Michael Cyros, Head of Allied Vision Technologies Inc., has been elected to the board of the Automated Imaging Association from January 1, 2007. This election demonstrates the high recognition that both Cyros and Allied Vision Technologies (AVT) gained in the North-American machine vision industry after hardly a year of operation of the newly founded US branch office of the digital camera manufacturer.

A respected machine vision expert

Mike Cyros joined Allied Vision Technologies in the fall of 2005. His task was to create the new US subsidiary known as AVT Inc. Since then Mike has served as its president, overseeing the subsidiary's sales, marketing and operations. He holds a Bachelor's and Master's degree in computer science, and has worked in the vision and imaging industry since 1987. Previously, Mike held the positions of director of international sales and COO of Datacube, and of CEO of Euresys' US subsidiary.

"Being a member of the board of the AIA is an honor for Allied Vision Technologies and myself", commented Cyros. "We see this appointment as the acknowledgement by the industry that AVT has established itself as a leader in machine vision cameras in the worldwide market, and particularly in North America".

John Merva, President of the AIA, said: *"With Mike, we gain the support of a well established industry expert who will help us promote machine vision technology even further".*

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Starting up in North-America: Allied Vision Technology Inc.

AVT Inc. was officially incorporated on September 23, 2005. The branch office is located in Newburyport, MA. With the GoAVT! marketing campaign (www.GoAVT.com), AVT Inc. had already made an impact in the market. Its presentation at the Vision Show East in Boston helped it to successfully corroborate its presence in the American market.

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About Allied Vision Technologies

Founded in 1989 Allied Vision Technologies was already rated as one of the most important suppliers of cameras and components for industrial image processing after a few short years. Today Allied Vision Technologies, a 100% subsidiary of Augusta AG, has won international acclaim through its camera developments. As one of the biggest suppliers to the market, Allied Vision Technologies is well established as the premier provider of high quality industrial digital cameras to machine and equipment manufacturers, automation suppliers and system integrators in the industrial vision and life science markets throughout the world.
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