Pressrelease

Nr. 02 / 05

Visionary innovations in the world of digital cameras.

Allied Vision Technologies presents new camera series GUPPY and PIKE on the Stuttgart VISION Show 2005.

Stadtroda, September 30, 2005. With the introduction of two new families of cameras in IEEE1394 technology for VISION 2005, AVT is adding a variety of additional models with Firewire interfaces to its product portfolio. With a series of twelve cameras, the **GUPPY** sets a new price standard for attractive entry into the world of digital image processing. With its 20 models, the **PIKE** offers the largest selection of cameras currently available on the market with IEEE1394b interface and “daisy chain” as well as “direct fiber” technology – providing the highest level of acceptance in demanding industrial use. With a product range that fulfills nearly all the requirements of the widest variety of imaging applications, Allied Vision Technologies can be considered the world’s most important leader in Firewire camera technology for industrial image processing.

Small - easy - ingenious: Analog goes GUPPY.

The AVT GUPPY camera family is distinguished by an IEEE1394 interface (starting in the summer of 2006 also USB2.0) and an extremely compact design. It consists of six different camera variants (each available in b/w and color) and, with a wide variety of sensors and bandwidths, offers the right solution for nearly any conceivable application. The GUPPY is available optionally in a casing or board version (upon request) and therefore fits in the smallest spaces. A selection of high-quality, sensitive sensors (CCD, CMOS) help the GUPPY provide outstanding image quality and true color. Two additional interlaced versions (EIA, CCIR) make it even more attractive to switch from analog to digital image processing. Due to its modularity and remarkable price/performance ratio, for many applications the GUPPY is the ideal way to make the move to digital image processing.

Fast – smart – perfect: 1394b goes PIKE

The AVT PIKE camera family is equipped with an IEEE1394b-S800 interface, as well as high-quality CCD sensors and comes in a surprising variety of different versions for the most demanding applications. The PIKE offers a selection of five different high-quality sensors (b/w and color) with high sensitivity and true-to-life color reproduction. To meet the highest requirements in the industry, the PIKE

comes optionally in a version with a copper daisy chain connection or 1x copper combined with 1x GOF. This not only saves costs in multi-camera operations but also makes it possible to use up to 500 meters of cable. The direct fiber technology of the PIKE in the GOF version also provides for equalization of potential and EMV-independence. The high data rates of the PIKE (max 62.5 MByte/s) and a number of smart features ensure an extraordinary performance in PC-based image processing. The integrated image pre-processing of the PIKE not only reduces demands on PC computer power, but also cuts system costs by eliminating the now unnecessary frame grabbers.

Highlights GUPPY:

- Interface:
  - 1394a
  - USB 2.0 (Q2-2006)
- Sensors:
  - VGA (1/3“, 60 fps)
  - Wide VGA (1/3“, 750 x 480, 60 fps)
  - SVGA (1/2“, 53 fps)
  - XGA (1/3“, 30 fps)
  - Interlaced: (EIA 1/3“; CCIR 1/3“)
- monochrome and color
- 8 Bit
- Full format 7 support
- Asynchronous image trigger
- Standard features
  - Gain / Offset / Exposure Time
  - AOI (Speed increase)
- Special features
  - LUT
  - White Balance
  - Auto features
- Bordlevel-version (on request)
- Body dimension: 3 cm x 3 cm x 3,2 cm

Pressrelease

Nr. 02 / 05

Highlights PIKE:

- Interface:
  - 1394b, S800, Copper Daisy Chain
  - 1394b, S800, 1xCopper/1xGOF

- Sensors:
  - VGA (1/3“, 640 x 480, 205 fps)
  - 1 Mpixel (2/3“, 1004 x 1004, 48 fps)
  - 1.45 Mpixel (Sony 2/3“, 1392 x 1040, > 20 fps)
  - 2 Mpixel (1“, 1920 x 1080, 30 fps)
  - 4 Mpixel (1.2“, 2048 x 2048, 15 fps)

- Progressive scan CCD, mono-chrome and color
- 14 Bit
- Opto-coupled asynchronous image trigger
- Full format 7 support
- EMI resistant - up to 500m
- Standard features
  - Gain / Offset / Exposure Time
  - AOI (Speed increase)
- Special features
  - Image pre-processing
  - Frame Grabber features (due to 64 MB on board)
- Body dimensions: 4.4 cm x 4.4 cm x 8 cm

Profile 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 on the market, Allied Vision Technologies is the international contact for the producing industry, machine manufac-

Pressrelease

Nr. 02 / 05

turers, system integrators, image processors and dealers, who are supplied with high-quality cameras by AVT.

Contact:

Allied Vision Technologies
Henning Staerk
Rathausstr. 14
D-22926 Ahrensburg
Tel.: +49.4102.6688.15
Fax: +49.4102.6688.10
info@alliedvisiontec.com
www.alliedvisiontec.com