

Newsletter May 2008

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1. PMD[vision] Day 2008

The PMD[vision] Day is a knowledge forum with application-oriented lectures on the subject of PMD Technology. All interested and connoisseurs in the technology are invited to be present.

Date: November 18th, 2008

Location: ~~Audi Forum Munich~~ Kempinski Hotel Airport Munich

Registration is possible from now on. A corresponding registration form is available at our website, www.PMDTec.com. You can expect very interesting presentations from different application areas this year. Topics are among others: Chip development, People Counting, Automotive and illumination. The current schedule and more information can soon be accessed at our website.

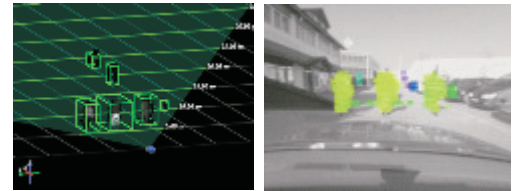
2. PMD[vision] 3k-S: at a reduced rate

PMD[vision] camera sets are a full system to acquire and process 3D data in real-time.

The PMD[vision] with 64x48 pixels has an integrated circuitry for suppression of background illumination on every pixel. It's the most inquired camera of PMDTec and from now on the 3k-S is offered for 4.990 Euro for standard setup. Of course, customer-specific solutions are also possible.

3. PMD[vision] A-Sample as a customer-specific solution

The PMD[vision] A-Sample is considered to be the 3D camera solution for distances up to 40 metres. In contrast to the standard PMD[vision] cameras, the camera has significantly more optical power, a faster framerate and an objective lens with a high light level. The current version has an unambiguity range of 120 metres and operates with frequency multiplexing and Double Sampling.



Furthermore it's possible to adapt the camera to special requirements, for example an adapted enclosure for the light sources or a higher lateral resolution through the usage of the Photon ICs PMD 3k-S. Feel free to contact us.

4. Software activities: MATLAB connection

The PMDMDK (PMD MATLAB development kit) provides seamless integration of the PMDSDK 2.0 in a MATLAB environment. All the functionality of the PMDSDK 2.0 is available for MATLAB scripts to use. It is now possible to import realtime PMD data into MATLAB with only 4 lines of code.

5. Three years efector pmd

Collision protection, completeness checking, fill level determination or distance measurement with exceptional range: The efector pmd distance sensors provide a broad range of application possibilities.

Depending on type, the laser sensors accurately detect distances of up to 75 metres. They are able to measure accurately up to a few millimetres and up to 50 times in a second. The robust metal housing allows a safe deployment in an industrial environment.

Three years ago, the first distance sensor with PMD Technology, type O1D100, was released. With a range of 10 metres the sensor has established itself as an universal problem solver for many different applications.

This technology won the Hermes Award 2005. A typical application is the utilization as a proximity sensor. In case of the O1D100, the background can be up to 19 metres away from the sensor. The two outputs can be programmed freely. For continuous distance measurement, the second output can also be programmed as an analog output (4...20 mA or 0...10 V). Up to 50 distance measurements per second are configurable.

[source and reference adress: ifm electronic GmbH]



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