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| **Press release** | **March 29, 2023** |
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Now available at Allied Vision: New Nerian Ruby 3D depth camera for demanding applications

New Nerian Ruby 3D depth camera, the affordable all-round talent of the Nerian Vision stereo camera series, released

*Stadtroda, Germany, March 29, 2023* – Allied Vision’s TKH Vision sister company Nerian Vision GmbH, based in Stuttgart, Germany, has released a new 3D depth camera that combines 3D stereo camera and image processing system in one device. The Nerian Ruby 3D depth camera is one of the most flexible 3D vision solutions at a very affordable price and a multi-talent for 3D depth perception. It enables:

* extremely fast & detailed real-time 3D image processing with up to 60 fps
* precise 3D measurements on almost any surface thanks to an integrated patter projector
* direct transmission of fully computed 3D data via Ethernet, which solves the need for additional processing power on the host computer or GPU.

The advantages of the Nerian Ruby 3D camera compared to similar products include:

* significantly more precise depth information because of up to 24 million 3D points/Sec.
* stable 3D measurement during runtime in harsh environments thanks to automatic camera recalibration and IP67 (mid 2023)
* the ability to work indoors and outdoors, without interference with sunlight or other sensor technologies.

Nerian Ruby 3D depth camera is especially designed for static environments or hard and critical real-time applications in dynamic environments, for applications such as:

* logistics automation
* agricultural robotics
* bin picking,
* smaller autonomous mobile robots.

**3D Vision expert Nerian Vision**Since 2015, Nerian Vision Technologies has successfully demonstrated the application potential of 3D stereo vision in industrial environments with its stereo vision systems SceneScan, SceneScan Pro, and Scarlet. With the Ruby 3D depth camera, the young company presents its new and particularly innovative 3D stereo vision camera. Nerian Vision thus remains among the pioneers in the machine vision sector and continues to pursue its approach towards integrated 3D cameras.

In order to be able to meet an increasing demand, Allied Vision is taking over the production of the new camera series in its manufacturing site in Stadtroda, Germany, ensuring short-term availability and high production quality.

**Allied Vision company profile**For more than 30 years, Allied Vision has been helping people to reach their imaging goals. Allied Vision supplies camera technology and image capture solutions for industrial inspection, medical and scientific imaging, traffic monitoring and many more application areas in digital imaging. With a deep understanding of customers’ needs, Allied Vision finds individual solutions for every application, a practice which has made Allied Vision one of the leading camera manufacturers worldwide in the machine vision market.

The company has nine locations in Germany, Canada, the United States, Singapore and China and is represented by a network of sales partners in over 30 countries. Allied Vision is member of the TKH Group.

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