

AI complete solution: even more functions thanks to free upgrade

IDS makes artificial intelligence available to factory automation via OPC UA and provides maximum flexibility with vision apps

The recently released software update for the IDS NXT platform provides users of the all-in-one AI solution IDS NXT ocean with many new features. It extends the system's AI capabilities to include object detection, offers turnkey solutions with vision apps and, with a new development environment, ensures that users can program their own image processing tasks and execute them as vision apps on their cameras. Using OPC UA, AI-based image processing can also be integrated directly into factory automation without writing a single line of code. The update is free and can be used with all IDS NXT cameras.

IDS NXT ocean makes image processing with artificial intelligence as simple as possible. Users without deep learning or programming skills are supported by precisely coordinated workflows and tools. They can now use the new **vision apps** "Classifier" and "Object Detector", for example, to classify image components or identify specific objects based on artificial intelligence with their cameras. The vision app concept also ensures that users can assign image processing tasks to the cameras as desired. The range of applications is practically unlimited and includes everything from simple barcode reading to complex AI analyses.

For this purpose IDS provides the new **development environment** "IDS NXT Vision App Creator". Developers and AI specialists can now dive even deeper into the system, create individual vision apps and adjust IDS NXT cameras even more effectively to their needs. This also allows the combination of classifications or object recognition with classic image processing, such as measurement tasks, to be realised in one device.

Another major improvement is the integration of the industry-standard protocol **OPC UA**. IDS NXT cameras can now communicate with machines and controllers in the same language and exchange tasks or results directly. The use of this key technology enables the integration of intelligent cameras into factory automation without additional hardware or programming effort. Standardised communication via OPC UA also creates the prerequisite for the "plug and produce" of new

devices. The set-up time of machine vision systems can thus be reduced to a minimum.

Further information: www.ids-nxt.com

Illustration (© IDS Imaging Development Systems GmbH):



Via OPC UA, cameras and machine controls exchange tasks and results without detours. With vision apps, image processing tasks can be assigned to IDS NXT cameras as desired.

About IDS Imaging Development Systems GmbH:

The industrial camera manufacturer IDS Imaging Development Systems GmbH develops high-performance, easy-to-use USB, GigE and 3D cameras with a wide spectrum of sensors and variants. The almost unlimited range of applications covers multiple non-industrial and industrial sectors in the field of equipment, plant and mechanical engineering. In addition to the successful CMOS cameras, the company expands its portfolio with vision app-based, intelligent cameras. The novel image processing platform IDS NXT is freely programmable and extremely versatile.

Since its foundation in 1997 as a two-man company, IDS has developed into an independent, ISO-certified family business with more than 300 employees. The headquarters in Obersulm, Germany, is both a development and production site. With branches in the USA, Japan, South Korea and UK as well as other offices, IDS is represented internationally.

Press contact:

IDS Imaging Development Systems GmbH

Claudia Kirsch

Dimbacher Str. 6-8

74182 Obersulm / Germany

T: +49 7134 96196-0

E: c.kirsch@ids-imaging.de

Web: www.ids-imaging.com