

Series launch: First industrial camera with result overlay in video livestream

IDS NXT malibu: AI directly on the camera + compression via ISP + video streaming via RTSP

With IDS NXT malibu, we prove once again that pioneering spirit is firmly anchored in the DNA of IDS. The new camera series is part of the AI system IDS NXT and has some very special features: it is equipped with a special chip from Ambarella that enables compressed video streams (H264) with full HD at high speed (> 25 fps) and allows them to be displayed on end devices via RTSP protocol. This means that there is no need for a PC to carry out evaluations/visualisations.

For this purpose, IDS utilises consumer technology, which is known from action cameras and is now made available to users in industrial quality. An integrated ISP with helpful automatic features, such as for brightness, noise and colour correction, get the optimum image quality out of the light-sensitive onsemi sensor AR0521.

"With IDS NXT malibu, we have developed a camera that analyses images in real time and can directly integrate the results. This makes it the perfect choice for applications that require a live image with AI overlay," explains Kai Hartmann, Product Innovation Manager at IDS.

At the same time as IDS NXT malibu, we have also released IDS NXT 4.0. This allows the neural networks generated with our system to be executed on different platforms. This works on all embedded vision cameras of the IDS NXT cosmos as well as with PC-based applications using IDS peak.

→ [All info about the IDS NXT ecosystem](#)

→ [Technical information in the webstore](#)

About IDS Imaging Development Systems GmbH:

IDS Imaging Development Systems GmbH is a leading manufacturer of industrial cameras and pioneer in industrial image processing. The owner-managed, climate-neutral company develops modular concepts of powerful and versatile USB, GigE and 3D cameras as well as models with Artificial Intelligence (AI). The almost unlimited range of applications covers multiple non-industrial and industrial sectors of equipment, plant and mechanical engineering. The AI image processing platform IDS NXT is extremely versatile and opens up new areas of application where classic rule-based image processing reaches its limits. With visionpier, IDS operates an online marketplace that brings together suppliers of ready-made image processing solutions and interested end customers in a targeted manner.

Since its foundation in 1997 as a two-man company, IDS has developed into an independent, ISO and environmental-friendly certified family business with around 350 employees. The headquarters in Obersulm, Germany, is both a development and production site. With branches and representative offices in the USA, Japan, South Korea, the UK, France and the Netherlands, the technology company is also globally represented.



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