

Embedded 2D & 3D Machine Vision using SICK AppSpace

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SICK AppSpace is an ecosystem for developing and deploying applications and algorithms directly on SICK's industrial sensors. This presentation will take a tour of SICK AppSpace for embedded Machine Vision, employing code, no-code and low-code approaches. An emphasis will be put on capabilities in terms of conventional image processing, computer vision, and Deep Learning solutions running on 2D smart cameras and 3D stereo, time-of-flight and laser triangulation cameras. Complementary functionality for a complete industrial application, such as building a GUI for your algorithms and communicating the analysis results to the outside world, will also be briefly touched upon.