SICK.COM



DATA SHEET

Deep Learning Classification License

SICK dStudio
Engineering Tools

SICK Sensor Intelligence



ENGINEERING TOOLS

Deep Learning Classification License

ORDERING INFORMATION

Type	part no.
Deep Learning Classification License	1614850

Further device versions and accessories at www.sick.com/SICK_dStudio

DETAILED TECHNICAL DATA

FEATURES

Description	The Deep Learning Classification License makes it possible to productively use the Deep Learning functions contained in certain SICK products for classification of images. The Deep Learning API available in programmable SICK devices is activated for this purpose. A SICK AppSpace SensorApp is required to use the Deep Learning API. SensorApps such as the Intelligent Inspection SensorApp can be used here. The Deep Learning API can also be used when developing your own SICK AppSpace SensorApps.
Supported products	InspectorP series SIM2x00 Inspector83x Inspector85x SICK AppEngine
Task	Monitoring and controlling - Quality Monitoring and controlling - Condition Identifying - Classifying Identifying - Sorting
Task	Classification of images using a neural network previously created with the SICK product dStudio
Supported programming languages	You can develop your own SensorApps in SICK AppSpace
Supported image formats	bmp jpg jpeg png JSON
Language	English
Input data	File generated with dStudio which contains a neural network (to be purchased separately), an image to be classified
Output data	Classification result as was defined during generation of the neural network
Documentation	SICK Support Portal

SYSTEM REQUIREMENTS

Supported browsers	Google Chrome (version 80 or higher)
Programming language	You can develop your own SensorApps in SICK AppSpace

Installation tool	SICK AppManager (for installing ready-made apps), License Manager SensorApp (for activating the license on the device), SICK AppStudio (for developing your own SensorApps)
Additional software	A SICK AppSpace SensorApp which uses Deep Learning is also needed to use the functions activated by this license. This can be individually created with SICK AppStudio, or ready-made SensorApps can be used as an alternative. You can find a current overview at dstudio.cloud.sick.com
Firmware	The firmware of a product for which the Deep Learning functions are intended must use AppEngine version 2.12 or higher

LICENSES

Product type	Software
License type	Device license
License description	You receive a device-specific license.
Fee-based	Yes
Provision	The license is sold with a ticket that you receive in an e-mail. For use on a specific SICK device, you must activate the license at license.sick.com. Detailed instructions will be provided.

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/1614850

SICK AG
WALDKIRCH
GERMANY
SICK.COM

SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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Sensor Intelligence