SICK.COM



DATA SHEET

Nova pico/midiCam2

SICK Nova
Application software

SICK Sensor Intelligence



APPLICATION SOFTWARE

Nova pico/midiCam2

ORDERING INFORMATION

Type	part no.
Nova pico/midiCam2	On request

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

DETAILED TECHNICAL DATA

FEATURES

Description	Nova pico/midiCam2 is a SensorApp for the SIM2x00 product family, which is connected to a picoCam2 / midiCam2 2D streaming camera. This type requires a Quality Inspection License or an Intelligent Inspection License. The Quality Inspection License provides a toolset which is used to ensure that produced items have the exact qualities regarding presence and measurements of details. The Intelligent Inspection Upgrade License makes it possible to productively use the complete set of tools, including powerful Deep Learning image analysis tools for solving problems which is not possible with rule-based machine vision. The Intelligent Inspection toolset is available with a trial period of 2 hours per reboot without license activated.
Task	Detecting - Standard objects Detecting - Level Measuring - Dimension, contour and volume Monitoring and controlling - Quality Identifying - Pattern Identifying - Sorting Determining position - 2D position determination Determining position - 3D position determination
Technology	2D snapshot, image analysis

[1] Require a vision sensor with color imager.

Product category	Programmable, configurable
SICK Nova Toolset	
Quality Inspection License	Angle Bead Blob Finder Blob Finder Color [1] Blob Locator Blob Locator Color [1] Circle Fitter 1D DPM code 2D DPM code Color Classification [1] Distance Edge Pixel Counter Ellipse Fitter Feature Locator Flow Counter Line Line Fitter Morphology Filter Noise Reduction Filter Object Locator OCR Pattern Locator Pixel Counter Pixel Counter Color [1] Point Position Verifier Region AI Anomaly Detection (2-hour test phase) AI Anomaly Detection (dStudio) (2-hour test phase) AI Blob Finder (dStudio) (2-hour test phase) AI Classification (2-hour test phase) AI Classification (dStudio) (2-hour test phase) AI Object Detection (2-hour test phase) AI Object Detection (dStudio) (2-hour test phase) AI OCR Pretrained AI Circular OCR Pretrained
Intelligent Inspection License	AI Anomaly Detection AI Anomaly Detection (dStudio) AI Blob Finder (dStudio) AI Classification AI Classification (dStudio) AI Object Detection AI Object Detection (dStudio)
Expansion options	The SICK Nova Tool plug-in enables customer-specific or new tools to be added. Development and customization of the tools is supported by SICK AppSpace and SICK AppStudio.
Language	English, German, French, Italian, Spanish, Japanese, Korean, Chinese
Documentation	Operating instructions
Supported products	SIM2x00 + picoCam2 / midiCam2

[1] Require a vision sensor with color imager.

SYSTEM REQUIREMENTS

Firmware	See release notes or AppPool for the respective version of the SensorApp
Minimum screen resolution	1,366 px x 768 px
Supported browsers	Google Chrome (version 80 or higher)
Installation tool	SICK AppManager

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/SICK Nova



SICK AG
WALDKIRCH
GERMANY
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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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