SICK.COM



DATA SHEET

Nova Ruler3000

SICK Nova
Application software

SICK Sensor Intelligence



APPLICATION SOFTWARE

Nova Ruler3000

ORDERING INFORMATION

Type	part no.
Nova Ruler3000	On request

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

DETAILED TECHNICAL DATA

FEATURES

Description	The Nova Ruler3000 SensorApp is compatible with devices in the SIM2x00 product family that can be used together with the Ruler3000 3D streaming camera. A Quality Inspection License is required to use the app. The Quality Inspection toolset is used to ensure that produced items have the exact qualities regarding presence and measurements of details.
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	3D laser triangulation, image analysis

Product category	Programmable, configurable
SICK Nova Toolset	
Quality Inspection License	AI Circular OCR Pretrained (2D, 3D) AI OCR Pretrained (2D, 3D) Angle Area Blob Analyzer Blob Finder (2D, 3D) Blob Locator (2D) Blob Region Finder Blob Verifier Box Finder 1D DPM code (2D) 2D DPM code (2D) Completeness Check Distance (2D, 3D) Edge Pixel Counter (2D) Feature Locator (2D, 3D) Line Line Fitter Min/Max Missing Data Filter Morphology Filter (2D, 3D) Noise Reduction Filter (2D, 3D) Object Locator (2D, 3D) Pixel Counter (2D) Plane Plane Fitter Point Position Verifier (2D) Probe Height Circle Fitter Surface Fitter Volume AI Anomaly Detection (2D, 2-hour test phase) AI Anomaly Detection (dStudio) (2D, 2-hour test phase) AI Blob Finder (dStudio) (2D, 2-hour test phase) AI Classification (2D, 2-hour test phase) AI Classification (dStudio) (2D, 2-hour test phase) AI Object Detection (2D, 2-hour test phase)
Intelligent Inspection License	AI Anomaly Detection (2D) AI Anomaly Detection (dStudio) AI Blob Finder (dStudio) (2D) AI Classification (2D) AI Classification (dStudio) (2D) AI Object Detection (2D) AI Object Detection (dStudio) (2D)
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	German, English, French, Italian, Spanish, Japanese, Korean, Chinese
Documentation	Operating instructions
Supported products	SIM2x00 + Ruler3000

SYSTEM REQUIREMENTS

Firmware	See release notes or AppPool for the respective version of the SensorApp
Minimum screen resolution	512 px x 424 px
Supported browsers	Google Chrome (version 80 or higher)
Installation tool	SICK AppManager License Manager SensorApp (for activating the license on the device)

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
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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