SICK.COM



DATA SHEET

Nova Ruler3000 IPC

SICK Nova
Application software

SICK Sensor Intelligence



APPLICATION SOFTWARE

Nova Ruler3000 IPC

ORDERING INFORMATION

Type	part no.
Nova Ruler3000 IPC	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 SICK AppEngine, which together with the Ruler3000 3D streaming camera can be used on any industrial PC. A Quality Inspection License and a SiCK AppEngine License is required to use the app or use the Nova Ruler3000 IPC Bundle License. The Quality Inspection toolset is used to ensure that produced items have the exact qualities regarding presence and measurements of details. The SICK AppEngine is needed for integrating SICK Nova on the industrial PC.
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, AI OCR Pretrained, angle, angle, Area, Blob Analyzer, Blob Finder, Blob Locator, Blob Region Finder, Blob Verifier, Completeness Check, Code Reader, Distance, Edge Pixel Counter, Feature Locator, Line, Line Fitter, Min/Max, Missing Data Filter, Morphology Filter, Noise Reduction Filter, Noise Reduction Filter, Object Locator, Pixel Counter, Plane, Plane Fitter, Point, Position Verifier, Probe Height, Circle Fitter, Surface Fitter, Volume, AI Anomaly Detection, AI Anomaly Detection (dStudio), AI Blob Finder (dStudio), AI Classification, AI Classification (dStudio), AI Object Detection, AI Object Detection (dStudio) (2D, 3D, 2D, 3D, 2D, 3D, 2D, 2D, 3D, 2D, 2D, 3D, 2D, 3D, 2D, 3D, 2D, 3D, 2D, 3D, 2D, 3D, 2D, 2D, 2D, 2D, 2D, 2D, 2D, 2D, 2D, 2-hour test phase, 2-hour test phase, 2-hour test phase, 2-hour test phase, 2-hour test phase, 2-hour test phase, 2-hour test phase)
Intelligent Inspection License	AI Anomaly Detection (2D) AI Anomaly Detection (dStudio) (2D) 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	Each industrial PC + Ruler3000 + SICK AppEngine (x64)

SYSTEM REQUIREMENTS

Operating system	Windows 10 (64 bit) Linux Ubuntu (64 bit)
Firmware	See release notes or AppPool for the respective version of the SensorApp
Required disk space	> 360 MB for installation, depending on the application
Processor	Intel® x86-64
Frequency and RAM	> 100 MB, depending on the application
Minimum screen resolution	512 px x 424 px
Supported browsers	≥ Chrome 60 (recommended) ≥ Edge 12 ≥ Internet Explorer 11 ≥ Firefox 50 ≥ Safari 11
Programming language	Flow-based programming Lua
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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