



SID

Simple and flexible visualization solution for sensor applications

SENSOR VISUALIZATION

SICK
Sensor Intelligence.



Technical data overview

Processor	i.MX6 Dual ARM Cortex - A9 with 1 GHz RTC Accuracy: +/- 30 ppm at 25 °C														
Random Access Memory	4 GB eMMC Flash 1 GB RAM														
Ethernet	✓ (2)														
USB	✓ (2)														
Display	<table border="0"> <tr> <td>Size</td> <td>7" / 12.1" (depending on type) (depending on type)</td> </tr> <tr> <td>Resolution</td> <td>800 px x 480 px 1,024 px x 768 px (depending on type)</td> </tr> <tr> <td>Brightness</td> <td>Typ. 480 cd/m²</td> </tr> <tr> <td>MTBF</td> <td>≥ 400,000 h</td> </tr> <tr> <td>Viewing angle</td> <td>50°, 70°, 70°, 70° (UDRL) 89°, 89°, 89°, 89° (UDRL) (depending on type)</td> </tr> <tr> <td>Color</td> <td>24 bit (16.7 million colors) / 24 bit (16.2 million colors) (depending on type) (depending on type)</td> </tr> <tr> <td>Touch display</td> <td>Projective capacitive multi-touch</td> </tr> </table>	Size	7" / 12.1" (depending on type) (depending on type)	Resolution	800 px x 480 px 1,024 px x 768 px (depending on type)	Brightness	Typ. 480 cd/m ²	MTBF	≥ 400,000 h	Viewing angle	50°, 70°, 70°, 70° (UDRL) 89°, 89°, 89°, 89° (UDRL) (depending on type)	Color	24 bit (16.7 million colors) / 24 bit (16.2 million colors) (depending on type) (depending on type)	Touch display	Projective capacitive multi-touch
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Touch display	Projective capacitive multi-touch														
Enclosure rating	Front side: IP66 Rear: IP20														

Product description

The Sensor Integration Display (SID) is a programmable, intelligent human machine interface and part of the SICK AppSpace ecosystem. As visualization solution, the intuitive touch display can be integrated seamlessly into the SICK portfolio of programmable devices. Individual user interfaces for sensor integration and visualization can be created using the SICK AppStudio development environment. This makes the SID the perfect human machine interface for the configuration and status monitoring of SICK sensors and systems, for visualization of measurement data and for data processing in smaller applications. The Sensor Integration Display ensures more transparency for processes in the spirit of Industry 4.0.

At a glance

- Programmable human machine interface
- Capacitive multi-touch display
- 2 integrated Ethernet interfaces
- Linux OS and SICK AppEngine including drivers and SOPASair browser pre-installed
- Fanless system with touch display and PC in compact housing
- Resistant thanks to enclosure ratings IP66 and IP20

Your benefits

- Intuitive operation via large touch display
- Seamless, time-saving integration into the SICK portfolio
- Customized user interface using the SICK AppStudio development environment
- Programming of individual and innovative SensorApps with SICK AppSpace
- Quick sensor integration and retrofitting with ready-to-use SICK Interface and Algorithm API
- Quick installation into the front of the housing of control cabinets or panels
- Reduced development effort due to reusable SensorApps and world-wide availability via SICK AppPool

Fields of application

- Human machine interface for sensor applications in all areas of logistics and factory automation
- Visualization and processing of sensor data
- Configuration and status monitoring of SICK sensors and systems
- Visualization of user interfaces of programmable SICK devices

Ordering information

Other models and accessories → www.sick.com/SID

- **Product category:** programmable devices
- **Application development kit:** SICK AppStudio
- **Further functions:** NEON for SMID media acceleration and VFP operation, OpenGL ES 2.0, OpenVG 1.1

Type	Part no.
SID120	1098321
SID70	1101360

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com