



## Sensor Integration Display

Flexible visualization solution for simple and complex sensor applications

**SICK**  
Sensor Intelligence.



## Technical data overview

<b>Supported products</b>	Programmable devices / Devices with integrated web server / Devices with integrated web server / Lector series / InspectorP series / SICK Analytics Solutions / SICK AppEngine / Field Analytics (depending on type)														
<b>Processor</b>	i.MX6 Dual ARM Cortex - A9 with 1 GHz RTC Accuracy: +/- 30 ppm at 25 °C Intel® Pentium® Gold-Processor G5400T (depending on type)														
<b>Random Access Memory</b>	4 GB eMMC Flash 1 GB RAM 16 GB RAM (depending on type)														
<b>Ethernet</b>	✓ (2)														
<b>USB</b>	✓ (2) / ✓ (4) (depending on type)														
<b>Serial</b>	✓, RS-232, RS-422, RS-485														
<b>Display</b>	<table border="0"> <tr> <td>Size</td> <td>12.1" / 15.6" (depending on type)</td> </tr> <tr> <td>Resolution</td> <td>1,024 dpi x 768 dpi 1,366 px x 768 px</td> </tr> <tr> <td>Brightness</td> <td>Typ. 480 cd/m<sup>2</sup> / typ. 400 cd/m<sup>2</sup> (depending on type)</td> </tr> <tr> <td>MTBF</td> <td>≥ 400,000 h / 104,277 h (depending on type)</td> </tr> <tr> <td>Viewing angle</td> <td>89°, 89°, 89°, 89° (UDRL) 85° (right) 85° (left) 50° (top) 80° (bottom)</td> </tr> <tr> <td>Color</td> <td>24 bit (16.7 million colors)</td> </tr> <tr> <td>Touch display</td> <td>Projective capacitive multi-touch / projective capacitive multi-touch LCD (depending on type)</td> </tr> </table>	Size	12.1" / 15.6" (depending on type)	Resolution	1,024 dpi x 768 dpi 1,366 px x 768 px	Brightness	Typ. 480 cd/m <sup>2</sup> / typ. 400 cd/m <sup>2</sup> (depending on type)	MTBF	≥ 400,000 h / 104,277 h (depending on type)	Viewing angle	89°, 89°, 89°, 89° (UDRL) 85° (right) 85° (left) 50° (top) 80° (bottom)	Color	24 bit (16.7 million colors)	Touch display	Projective capacitive multi-touch / projective capacitive multi-touch LCD (depending on type)
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<b>Enclosure rating</b>	Front side: IP66 Rear: IP20 Front side: IP65														

## Product description

The Sensor Integration Display is a programmable, intelligent human machine interface. Customized user interfaces can be created using the SICK AppStudio development environment. Using SID160 Pro, it is also possible to create web-based user interfaces. This makes the intuitive touch display the perfect human machine interface for configuring and monitoring the status of SICK sensors and systems, for visualizing measurement data, and for data processing. The base devices are suitable for simple applications, the higher performance and more open Pro variants for more complex ones. The Sensor Integration Display thereby ensures more process transparency in the spirit of Industry 4.0.

## At a glance

- Programmable and configurable human machine interface
- Fanless system with capacitive multi touch display and PC in a compact housing
- Two integrated Ethernet interfaces, additional interfaces depending on the variant
- Selected software preinstalled
- Rugged for use in industrial environments

## Your benefits

- Intuitive operation via large touch display
- Seamless, time-saving integration into the SICK portfolio
- Easy visualization with tailored user interfaces
- Programming of custom and innovative SensorApps possible using SICK AppSpace
- Quick sensor integration and retrofitting possible using the ready-to-use SICK Interface and Algorithm API
- Quick installation into the front of the housing of control cabinets or panels, Pro variants also support VESA mounting

## Fields of application

- Human machine interface for sensor applications in numerous industries
- 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/Sensor\\_Integration\\_Display](http://www.sick.com/Sensor_Integration_Display)

Display size	Operating system	Processor	Type	Part no.
12.1 "	Linux Yocto	i.MX6 Dual, ARM Cortex - A9 with 1 GHz, RTC Accuracy: +/- 30 ppm at 25 °C	SID120	1098321
15.6 "	Windows® 10 IoT Enterprise LTSC	Intel® Pentium® Gold-Processor G5400T	SID160 Pro	1125534

## 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](http://www.sick.com)