PRODUCT CATEGORIES

**Smart Lock**
Always-on battery powered smart locks utilize ultra-low power Ultrasonic ToF sensors to enable feature-rich smart locks

**Presence Detection**
Ultra-low power and low latency Ultrasonic ToF sensors detect presence and minor motion in any lighting condition

**AR & VR**
Compact, low-power ultrasonic ToF sensors enable user experiences in gaming under any lighting conditions

**Robotic/RVC**
Ultrasonic ToF sensors enable cliff detection, material composition identification, and obstacle avoidance

FEATURED PRODUCTS

**ICU-20201**
Ultrasonic Time-of-Flight Range Sensor, ideal for measuring the range of objects between 20 cm and 5 m, and offers a customizable field-of-view of up to 180°

**PRODUCT DETAILS**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Package Size (mm)</th>
<th>Range (m)</th>
<th>Current Consumption (1 sample/s, 1m range)</th>
<th>Interface</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICU-20201</td>
<td>3.5 × 3.5 × 1.26</td>
<td>Up to 5</td>
<td>26 μA</td>
<td>SPI 13 MHz</td>
<td>Field-of-View (FoV): Configurable Up to 180°</td>
</tr>
<tr>
<td>CH101</td>
<td>3.5 × 3.5 × 1.26</td>
<td>Up to 1.2</td>
<td>15 μA</td>
<td>I²C</td>
<td>Field-of-View (FoV): Configurable Up to 180°</td>
</tr>
<tr>
<td>CH201</td>
<td>3.5 × 3.5 × 1.26</td>
<td>Up to 5</td>
<td>13.5 μA</td>
<td>I²C</td>
<td>Field-of-View (FoV): Configurable Up to 180°</td>
</tr>
</tbody>
</table>

**ICU-20201**
Long Range Sensor
High-performance ultrasonic Time-of-Flight sensor that is ideal for measuring the range of objects between 20 cm and 5 m.
High flexibility thanks to a large amount of embedded program and data memory.

**CH101**
Short Range Sensor
Accurate range measurements to targets at distances up to 1.2 m. The sensor works in any lighting condition and provides millimeter-accurate range measurements independent of the target’s color and optical transparency.

**CH201**
Long Range Sensor
Accurate range measurements to targets at distances up to 5 m. Using ultrasonic measurements, CH201 works in any lighting condition from full sunlight to complete darkness, providing millimeter-accurate range measurements independent of the target’s color & optical transparency. Its wide Field-of-View can be customized and enables simultaneous range measurements to multiple objects.