As simple as a sensor – the new multicode reader O2I
Multicode reader O2I – easy to use, quick and reliable identification of 1D and 2D codes

Powerful:
4 x higher resolution for reliable reading results, 10 x faster evaluation time, 10 x faster set-up.

Simple:
Teaching via one button and configuration via smartphone app.

Well equipped:
Integrated ifm memory stick, polarisation filter, automatic focussing, laser focussing aid and rotatable connector.

Communicative:
Integrated fieldbus interfaces.

Award winning:
Vision Assistant software to configure complex identification tasks.

Robust:
Industrially compatible diecast housing.

The O2I teach app is used to generate a DataMatrix code on the smartphone display. Just hold it in the field of view of the multicode reader – and the configuration is automatically applied. Available for iOS, Android and Windows.

Standard applications – one image, one code
Simple applications with a bar code or 2D code per image can be set quickly via teach button. This saves time and costs.

One-button teach

Ready for use within a few seconds
One highlight: simple teaching via one button. The sensor automatically does the focussing, exposure setting and code type recognition and is ready for use in a few seconds. The preset device configuration can be changed by means of a user-friendly smartphone app.

Easy set-up.
For complex requirements: the ifm Vision Assistant

Clear configuration of demanding applications
For complex identification tasks, the multicode reader can easily be configured using the award-winning Vision Assistant software. The live image and extensive visualisation of all settings provide an optimum overview.

Optimum contrast by means of a polarisation filter
The integrated optional illumination with polarisation filter ensures sufficient contrasts to reliably read codes even in case of shiny surfaces such as metal.

One code, changing background
Several images can be captured very quickly with a different exposure time to recognise codes with variable surface characteristics or deviating colour or ambient light.

Several codes, one image
The auto-find code function automatically recognises several different codes in one image. The user can easily assign these codes in the Vision Assistant.

Unique – the sequential control
Visualises all configurations of the image and code settings. This quickly gives you a comprehensive overview of the whole application. In addition, the logic and interface function allows easy programming of the sensor output.

<table>
<thead>
<tr>
<th>Multicode reader type</th>
<th>Order no</th>
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</thead>
<tbody>
<tr>
<td>Standard lens, red light</td>
<td>O21500</td>
<td>Wide-angle lens, infrared light</td>
<td>O21503</td>
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<tr>
<td>Standard lens, infrared light</td>
<td>O21501</td>
<td>Telephoto lens, red light</td>
<td>O21504</td>
</tr>
<tr>
<td>Wide-angle lens, red light</td>
<td>O21502</td>
<td>Telephoto lens, infrared light</td>
<td>O21505</td>
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Version with Profinet interface in preparation