

Multicode reader for IO-Link

Optical identification of 1D/2D codes and text

- Evaluation of various codes and texts in a single image
- Easy integration and configuration via IO-Link
- Ready to use out of the box, only the codes need to be taught
- Reliable detection even in case of extraneous light and demanding surfaces



IP65



IO-Link

ifm – close to you!

Versatile solution for production and logistics

The O2I multicode reader detects 1D and 2D codes as well as text elements. Even in case of multiple codes and text sections or combinations thereof, the O2I provides accurate evaluations in a single image capture. This makes the multicode reader a universally applicable solution for production and logistics processes where codes and text information are to be checked for quality or used for product tracking.

Thanks to the integrated and customisable RGBW lighting, even difficult colour combinations of code / text and background can be read with ease.

Easy integration with IO-Link

Integration is extremely simple thanks to the use of IO-Link. Once removed from the packaging, the multicode reader can be directly inserted into the existing IO-Link infrastructure. All that needs to be done in order to set the sensor to a code is to run through the teaching process. For more demanding identification tasks, the user-friendly PC software "Vision Assistant" is available.

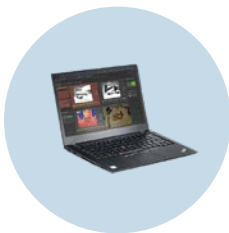
Data with a size of more than 32 bytes are automatically divided into several blocks and transmitted to the controller via IO-Link using the fast COM3 standard. There is an automatic separation of the data blocks with an adjustable hold time of the data. A major advantage for the user is that no special function blocks are required in the control programme.

In addition, IO-Link enables convenient setting of various sensor parameters directly from the controller, including, for example, focus, data strings for code comparison or diagnosis. This makes it easy to adapt the reader to changing products or operating processes.

Description	Order no.
Illumination: RGBW	
standard lens	O2I400
wide-angle lens	O2I402
telephoto lens	O2I404
Illumination: red light	
standard lens	O2I410
wide-angle lens	O2I412
telephoto lens	O2I414
Illumination: infrared	
standard lens	O2I420
wide-angle lens	O2I422
telephoto lens	O2I424

BEST FRIENDS

We reserve the right to make technical alterations without prior notice. · 11.2023
ifm electronic gmbh · Friedrichstr. 1 · 45128 Essen



Vision Assistant
PC software for configuration and parameter setting



Monitoring add-on
Visualisation of images and data on the dashboard



IO-Link masters
Masters with Profinet interface for use in the field



For further technical details, please visit:
ifm.com/fs/O2I400