



Identification systems



Powerful multicode reader – simple like a sensor



1D / 2D code readers



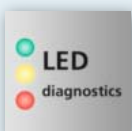
Robust, industrially compatible diecast housing

Teaching via one button and configuration via smartphone app

Comprehensive features: integrated ifm memory stick, polarisation filter, automatic focusing

Integrated fieldbus interfaces

Award-winning Vision Assistant software for configuration



Powerful detection

The new multicode reader reliably detects 1D and 2D codes. It ensures reliable identification even under difficult conditions, e.g. in case of changing extraneous light or shiny surfaces. Several different codes in one or more images can be evaluated in just a few milliseconds.

Quick set-up via pushbutton

Simple applications with one code per image can be set quickly via teach button. This saves time and costs. The preset device configuration can be changed by means of a user-friendly smartphone app.

Vision Assistant software

For complex identification tasks, the multicode reader can be configured using the award-winning Vision Assistant software. The intuitive navigation and the visualisation help you to keep track.



Powerful features

Teach button

One of the sensor's highlights is the simple teaching via one button. After pressing the teach button, the user aligns the multicode reader to the code by means of a laser marking. Focusing, exposure setting and detection of the code type are automatically carried out by the sensor. A few seconds later, the sensor is ready for use.

Configuration via smartphone app

A smartphone app (iOS, Android) is available for basic configuration of the device. The user can e.g. use it to define the trigger or IP address. Based on these settings, a Data Matrix code is generated on the smart phone's display. When this code is held into the multicode reader's field of view, the configuration is automatically adopted.

Vision Assistant

For complex identification tasks, the multicode reader can be configured using the award-winning Vision Assistant software.

For example, the auto-find function detects several different codes in one image. The user can easily assign these codes in the Vision Assistant.

Thanks to different logic functions, the sensor can be programmed for sequential control. An expensive evaluation unit is not necessary.

The live image and extensive visualisation of all settings provide an optimum overview.

ifm memory stick

The device has an exchangeable ifm memory stick. It can be used to save or load complete configurations of the multicode reader. This simplifies device replacement and the set-up of several units for the same application.

Polarisation filter

The integrated optional illumination with polarisation filter ensures sufficient contrasts to reliably detect codes even in case of shiny surfaces such as metal.

Products

Type	Description	Order no.
Multicode reader		
	Standard lens, red light, Ethernet/IP, TCP/IP	O2I500
	Standard lens, infrared, Ethernet/IP, TCP/IP	O2I501
	Wide-angle lens, red light, Ethernet/IP, TCP/IP	O2I502
	Wide-angle lens, infrared, Ethernet/IP, TCP/IP	O2I503
	Telephoto lens, red light, Ethernet/IP, TCP/IP	O2I504
	Telephoto lens, infrared, Ethernet/IP, TCP/IP	O2I505
Accessories		
	Mounting set	E2D500
	Illumination unit, 193 x 136 x 75 mm, red light, cyan light, M12 connector	O2D931
	Illumination unit, 256.8 x 197 x 106.7 mm, red light, cyan light, M12 connector	O2D933
Connection technology		
	Y splitter, adapter cable for O2I5xx, trigger sensor, 0.4 m PUR cable	EVC847
	Y splitter, adapter cable for external illumination, 0.4 m PUR cable	EVC848

Looking for the smartphone app?

This QR code leads to the Android app "O2I Teach" in the Google Play Store:



This QR code leads to the iOS app "O2I Teach" in the Apple Store:

