



Identification systems

# Multicode reader verifies and analyses codes and text



Optical identification



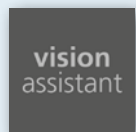
**Versatile use for quality and process control in production and logistics**

**Detects and verifies text and codes alike**

**High performance thanks to fast evaluation of several different codes and text passages in one image**

**Reliable detection even in case of extraneous light and challenging surfaces**

**Easy parameter setting on the device or via the ifm Vision Assistant**



To the video:  
[ifm.com/en/o2i](https://ifm.com/en/o2i)

## Universal solution for production and logistics

The O2I multicode reader detects 1D and 2D codes as well as text elements and analyses their quality within a few milliseconds. The number of elements to be detected is irrelevant as the O2I can evaluate several codes or text elements as well as their combination with only one image capture. This makes the multicode reader a universal solution in production and logistics processes where the presence of codes and text information is to be checked for quality or used for product tracking.

The O2I can be quickly set up for simple applications directly on the device. More complex tasks can be implemented just as easily by means of the award-winning ifm Vision Assistant.



## Increase product and process quality

### Make processes transparent

Be informed about what is going on, when and where

### Optimise material handling

Provide sufficient material in the correct production step

### Assure quality

Reliably detect, validate and check the readability of relevant text imprints thanks to the anchor function.

### Precise delivery schedule

Data-based control of timed process flows.



## 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.



## Products

| Type   | Description   | Order no.     |
|--|---|---------------|
| <b>Multicode reader: Ethernet/IP, TCP/IP</b> |   |               |
|  | Standard lens, red light  | <b>O2I500</b> |
|  | Standard lens, infrared   | <b>O2I501</b> |
|  | Wide-angle lens, red light  | <b>O2I502</b> |
|  | Wide-angle lens, infrared   | <b>O2I503</b> |
|  | Telephoto lens, red light   | <b>O2I504</b> |
|  | Telephoto lens, infrared  | <b>O2I505</b> |
| <b>Multicode reader: PROFINET, TCP/ IP</b>   |   |               |
|  | Standard lens, red light  | <b>O2I510</b> |
|  | Standard lens, infrared   | <b>O2I511</b> |
|  | Wide-angle lens, red light  | <b>O2I512</b> |
|  | Wide-angle lens, infrared   | <b>O2I513</b> |
|  | Telephoto lens, red light   | <b>O2I514</b> |
|  | Telephoto lens, infrared  | <b>O2I515</b> |
| <b>Accessories</b>                           |   |               |
|  | Mounting set for multicode reader   | <b>E2D500</b> |
|  | Mounting set for illumination unit  | <b>E2D501</b> |
|  | Illumination unit, 193 x 136 x 75 mm, red light, cyan light, M12 connector      | <b>O2D931</b> |
|  | Illumination unit, 256.8 x 197 x 106.7 mm, red light, cyan light, M12 connector | <b>O2D933</b> |
| <b>Connection technology</b>                 |   |               |
|  | Y connection cable, adapter cable for O2I5xx, trigger sensor, 0.4 m PUR cable   | <b>EVC847</b> |
|  | Y connection cable, adapter cable for external illumination, 0.4 m PUR cable    | <b>EVC848</b> |

We reserve the right to make technical alterations without prior notice. · 04.2022

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For further technical details, please visit: [ifm.com](http://ifm.com)