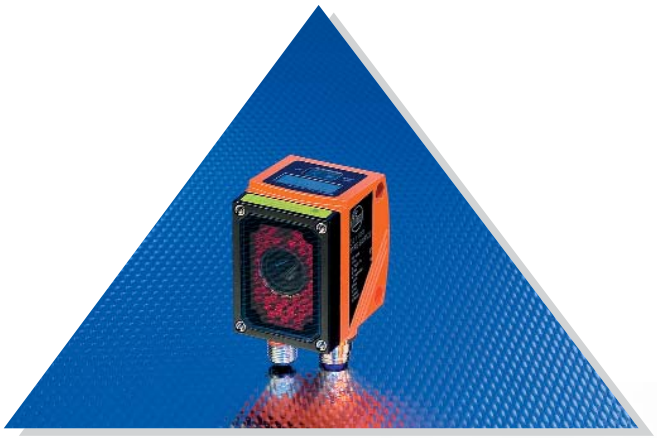
product news

ifm electronic

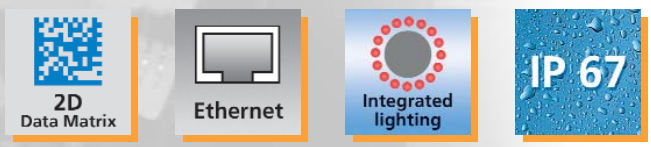
Identification systems

Multicode Reader for optical identification.



Identification of bar codes and 2D codes.

- Orientation-independent reading of bar codes and 2D codes.
- High reading reliability.
- Verifier system in the sensor.
- Setting aid due to laser pointer.
- Integrated Ethernet interface.



Orientation-independent reading of bar codes and 2D codes.

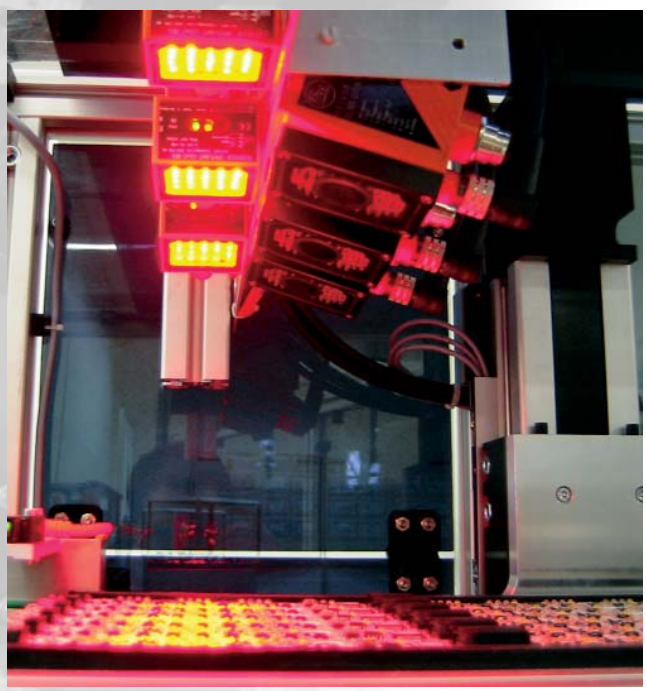
Independent of the orientation and the number of codes, the high-performance algorithms automatically decode 1D or 2D codes. An optimisation mode allows additional settings to ensure reliable identification of each code.

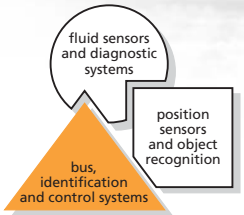
High reading reliability.

Automatic setting of the exposure time: The sensor characteristics and the segmented lighting can be adapted so that optimum results are achieved even with highly reflective metal surfaces.

Verifier system in the sensor.

Intelligence inside the sensor reduces data transfer. Complex application programming is no longer necessary due to code identification and comparison in the sensor.





Type of sensor: CMOS image sensor, black/white, VGA resolution 640 x 480

- **Readable 2D codes**
  ECC200, PDF-417, QR
- **Readable 1D codes**
  Interleaved 2-of-5, Industrial 2-of-5, Code 39
  Code 128, Pharmacode, Code 93, Codabar
  EAN13, EAN13-Add-On 2, EAN13-Add-On 5
  EAN8, EAN8-Add-On 2, EAN8-Add-On 5
  UPC-A, UPC-A Add-On 2, UPC-A Add-On 5
  UPC-E, UPC-E Add-On 2, UPC-E Add-On 5

Accessories

Type	Description	Order no.
	Operating software for multicode reader	E2I200
	High-grade stainless steel mounting set for rod mounting Ø 12 mm	E2D110
	High-grade stainless steel mounting set for rod mounting Ø 14 mm	E2D112
	Clamp, high-grade stainless steel, Ø 12 mm	E21110
	Clamp, high-grade stainless steel, Ø 14 mm	E21109
	High-grade stainless steel rod, 200 mm, Ø 12 mm	E21112
	High-grade stainless steel rod, 300 mm, Ø 12 mm	E21113
	Clamp linking ring, high-grade stainless steel	E21076
	Clamp set, high-grade stainless steel, Ø 12 mm	E20946
	Clamp set, high-grade stainless steel, Ø 14 mm	E20948
	Rod straight, 100 mm long, Ø 12 mm, M10 thread, high-grade stainless steel	E20938
	Rod straight, 100 mm long, Ø 14 mm, M12 thread, high-grade stainless steel	E20939
	Rod angled, Ø 12 mm, M10 thread, high-grade stainless steel	E20940
	Rod angled, Ø 14 mm, M12 thread, high-grade stainless steel	E20941

Operating distance [mm]			Order no.
50	100	200	
Field of view [mm]			
20 x 14	36 x 26	68 x 50	O2I100
46 x 32	77 x 56	140 x 100	O2I102

Common technical data		
Operating voltage	[V]	24 DC ± 10 %
Current consumption	[mA]	< 300
Current rating	[mA]	100 (per switching output)
Short-circuit protection, pulsed		•
Rev. polarity / overload protection		• / •
Operating temperature	[°C]	-10...60
Protection		IP 67, III
Material	housing front lens LED window	diecast zinc glass polycarbonate
Trigger		external, 24 V PNP internal, RS232, TCP/IP
Switching outputs (configurable)		max. 2 (configurable) 100 mA
Connection external lighting		24 V DC PNP
Parameter setting / process data interface		Ethernet 10Base-T / 100Base-TX, RS-232
Dimensions	[mm]	60 x 42 x 53
Motion speed	[m/s]	max.7

Connectors and splitter boxes

Type	Description	Order no.
	Socket, M12, 2 m PUR cable, 8 poles	E11231
	Socket, M12, 5 m PUR cable, 8 poles	E11232
	Socket, M12, 2 m PUR cable, 8 poles	E11950
	Socket, M12, 5 m PUR cable, 8 poles	E11807
	Socket, M12, 10 m PUR cable, 8 poles	E11311
	Ethernet cable, 2 m, M12 D-coded / RJ45, cross-link	E11898

ifm article no. 7511276 · Printed in Germany on non-chlorine paper. · We reserve the right to make technical alterations without prior notice. · 04.2008