

Imaging Modules

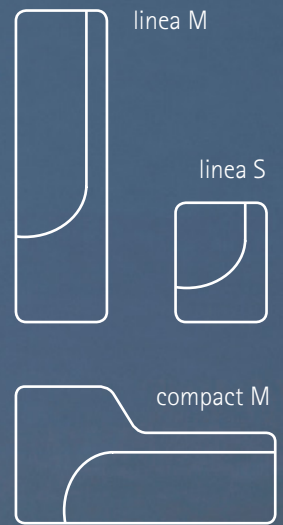
for Industrial and
Non-Industrial Applications

IM·linea S

IM·linea M

IM·compact M

Designed, manufactured and tested in Germany to the highest optical standards.



IM-series countless variations

Industry 4.0 demands
new Modules for every application

Compact form factor
linea S Eco USB



Imaging Modules

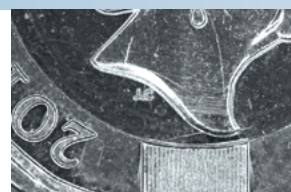
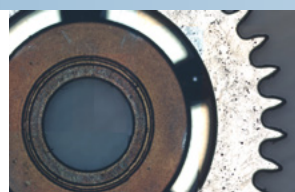
Opto Imaging Modules are a family of integrated, 'plug and play' imaging devices, featuring an optimised combination of onboard camera, optics, illumination and electronic control interface that together deliver a perfect image 1st time, every time for virtually any imaging application.

Designed for smart production, and many 'Industry 4.0' applications, Opto Imaging Modules bring an unprecedented level of intelligent, easy-to-use, easy-to-integrate, imaging performance to any production environment - from measurement machines to test systems or roundness analysis to bio imaging instrumentation.


Each Module is provided with its own SDK and image acquisition software, making it simple to integrate into any network or system.

- Various high resolution, perfectly optimised closed-loop optical designs coupled directly to the latest onboard imaging sensors - no camera needed.
- One wire direct USB3 image output & compatibility to most machine vision software packages.
- Ultimate imaging performance, simple integration, guaranteed performance first time, every time.



One Unit
One Wire
Plug and Play



Technical Specifications

	FoV mm	WD mm	Resolution LP/mm	Image	Frames /sec	Light	Sensor *	 linea S	
	55 x 41	300	12,5	b w	243	non	IMX273	IL -0610002UBE	
	55 x 41	300	12,5	color	243	non	IMX273	IL -0610002UCE	
	89 x 67	300	8	b w	243	non	IMX273	IL -0610001UBE	
	89 x 67	300	8	color	243	non	IMX273	IL -0610001UCE	
	95 x 71	500	7	b w	243	non	IMX273	IL -0610003UBE	
	95 x 71	500	7	color	243	non	IMX273	IL -0610003UCE	
	151 x 113	500	5	b w	243	non	IMX273	IL -0600001UBE	
	151 x 113	500	5	color	243	non	IMX273	IL -0600001UCE	
	195 x 146	1000	4	b w	243	non	IMX273	IL -0600003UBE	
	195 x 146	1000	4	color	243	non	IMX273	IL -0600003UCE	
	307 x 230	1000	2,5	b w	243	non	IMX273	IL -0600002UBE	
	307 x 230	1000	2,5	color	243	non	IMX273	IL -0600002UCE	

all Modules are USB 3.1 Versions, have an Aluminium Block design with a USB C-Connector | CE / RohS conform

	FoV mm	WD mm	Resolution LP/mm	Image	Frames /sec	Light	Sensor *	 linea M	 compact M
	7,1 x 5,3	87	110	b w	55	non	IMX265	IL -1451001UBE	IC -1451001UBE
	7,1 x 5,3	87	110	color	55	non	IMX265	IL -1451001UCE	IC -1451001UCE
	8,5 x 7,1	87	110	b w	36	non	IMX264	IL -1452001UBE	IC -1452001UBE
	8,5 x 7,1	87	110	color	36	non	IMX264	IL -1452001UCE	IC -1452001UCE
	9,5 x 7,1	99	90	b w	55	non	IMX265	IL -1431001UBE	IC -1431001UBE
	9,5 x 7,1	99	90	color	55	non	IMX265	IL -1431001UCE	IC -1431001UCE
	11,3 x 9,4	99	90	b w	36	non	IMX264	IL -1432001UBE	IC -1432001UBE
	11,3 x 9,4	99	90	color	36	non	IMX264	IL -1432001UCE	IC -1432001UCE
	14,2 x 10,7	132	71	b w	55	non	IMX265	IL -1531001UBE	IC -1531001UBE
	14,2 x 10,7	132	71	color	55	non	IMX265	IL -1531001UCE	IC -1531001UCE
	16,9 x 14,1	132	71	b w	36	non	IMX264	IL -1532001UBE	IC -1532001UBE
	16,9 x 14,1	132	71	color	36	non	IMX264	IL -1532001UCE	IC -1532001UCE
	23,7 x 17,8	202	45	b w	55	non	IMX265	IL -1621001UBE	IC -1621001UBE
	23,7 x 17,8	202	45	color	55	non	IMX265	IL -1621001UCE	IC -1621001UCE
	28,2 x 23,6	202	45	b w	36	non	IMX264	IL -1622001UBE	IC -1622001UBE
	28,2 x 23,6	202	45	color	36	non	IMX264	IL -1622001UCE	IC -1622001UCE

Dimensions: linea S 60 x 46 x 36 mm Weight: 85 g
 linea M 155 x 46 x 36 mm 120 g
 compact M 135 x 65 x 36 mm 135 g

WD = Working Distance
 FoV = Field of View
 * Sony Pregius Sensors

All data is preliminary and can change slightly after official launch approx. Summer 2018

080618

Opto GmbH
 Lochhamer Schlag 14
 82166 Gräfelfing
 Munich, Germany

+49 89 89 80 550
 info@opto.de
 www.opto.de

Opto UK Ltd
 Daresbury Innovation Centre
 Keckwick Lane, Daresbury
 Cheshire WA4 4FS, United Kingdom

+44 1925 606 595
 info@opto-uk.com
 www.opto-uk.com