

Technical Specifications: cmos-magview



Device type	Sensor types	Sensor size (mm²)	Active imaging area (mm²):	Resolution, geometric (µm) at 80% central	Precision, geometric (µm) at 80% central	Dimensions L x B x H (cm)
S	A, B, C, D*	20,5 x 15,5	18 x 13	25	50	36 x 15 x 8
M	B, C	20,5 x 15,5	18 x 13	15	30	36 x 15 x 8
L	A, B, C	60 x 45	57 x 41	60	120	52 x 25,5 x 10,5
XL	A, B, C	60 x 45	57 x 41	30	60	52 x 25,5 x 10,5

*Field image quantitative not for type D

Sensor type	Visualization	Field image (quantitative)	Saturation (mT)	Field resolution (mT) at 20x image averaging of 100 µm x 100 µm area	Field precision (80% central)	Typical test items
A	✓	✓	1 mT	0,05 mT	< 5%	Low field strength
B	✓	✓	65 mT	0,5 mT	< 5%	Hard magnets
C	✓	✓	125 mT	0,5 mT	< 5%	Hard magnets
D	✓	✗	2 mT	✗	✗	Soft magnetics

Operating environment | Handlings

- Laboratory, low-dust, humidity < 60 %
- Operating temperature of 25 ° C ± 10 K
- Storage temperature of 25 ° C ± 25 K
- Tabletop device for use on the PC
- Manual placement of the test item on the sensor

Distance between sensor and test item

- without protective film 5 µm
- with protective film 55 µm (depending on the specimen surface)

General Specifications

- Sensor size: up to 60 x 45 mm²
- Measuring time: 1 second
- Geometric resolution: down to 15 µm (depending on sensor and camera)
- Visualize magnetic fields in real time and measure magnetic field strength
- USB interface

smart magnetic solutions



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