

More Precision.



optris® PI lenses

The right lens for every application

FEATURES

- Standard-, tele- and wide angle lens for optimal adjustment of the PI for different applications
- High valued germanium lenses and a special antireflective coating ensure excellent optical properties
- Factory calibrated lenses allowing an easy exchange by the user

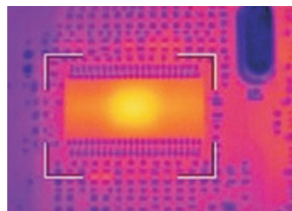


Lens	Focal distance	Minimum distance		Object-distance (m)										
				0,02	0,1	0,3	0,5	1,2	2	4	6	10	30	100
31° x 23° Standard-lens	10 mm	0,02 m	HFOV (m)	0,006	0,05	0,16	0,27	0,67	1,11	2,3	3,4	5,6	16,8	56
			VFOV (m)	0,004	0,04	0,12	0,21	0,50	0,84	1,7	2,5	4,2	12,6	42
			IFOV (mm)	0,03	0,30	1,00	1,70	4,20	7	14	21	35	105	350
9° x 7° Tele-lens	35,5 mm	0,3 m	HFOV (m)			0,04	0,07	0,18	0,31	0,6	1	1,6	4,8	15,8
			VFOV (m)			0,03	0,05	0,14	0,23	0,5	0,7	1,2	3,6	11,9
			IFOV (mm)			0,30	0,50	1,20	2	4	6	10	30	99
64° x 50° Wide-angle-lens	4,5 mm	0,02 m	HFOV (m)	0,019	0,119	0,369	0,619	1,494	2,49	4,5	7,5	12,5	37,5	125
			VFOV (m)	0,015	0,09	0,277	0,464	1,121	1,87	3,7	5,6	9,4	28,1	94
			IFOV (mm)	0,121	0,746	2,308	3,871	9,338	15,6	31,2	46,8	78	234,3	781

HFOV horizontal field of view / VFOV vertical field of view / IFOV geometrical resolution

Standard-lens (31° x 23°) with macro adjustment

The Standard-lens has a macro adjustment, allowing thermographic analysis in close-up ranges combined with an

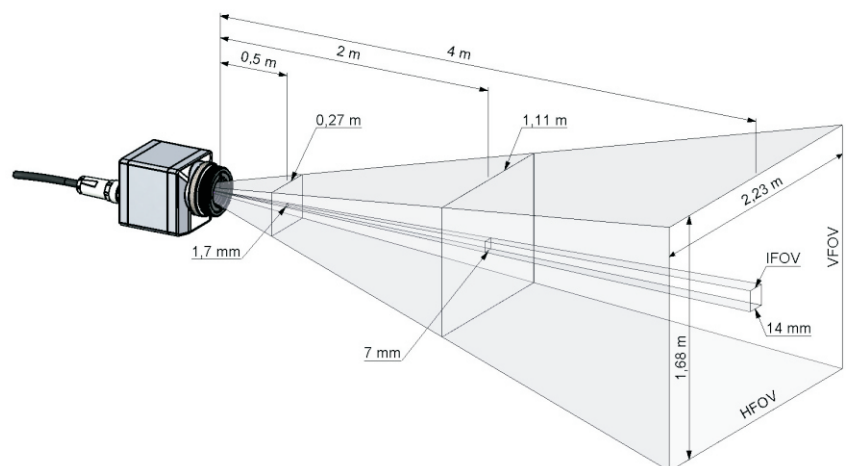


R&D electronic



Production of solar panels

Dependence between field of view (FOV) and distance (lens 31° x 23°)



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Specifications are subject to change without notice.
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