

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° Wide-angle-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

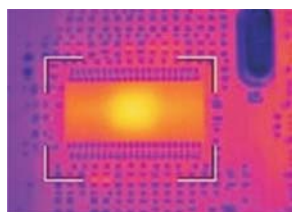
HFOV horizontal field of view

VFOV vertical field of view

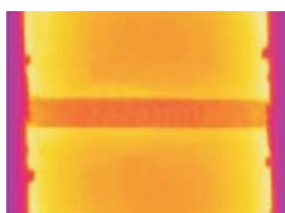
IFOV geometrical resolution

Wide-angle-lens (31° x 23°) with macro adjustment

The wide-angle-lens has a macro adjustment, allowing thermographic analysis in close-up ranges combined with an excellent detailed resolution.



R&D electronic



Production of solar panels

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

