

Optical parameters of Flexia Definition Digital with **Varifocal**, **Fix focal length** and side viewing **BGA** lenses

Optics	Flexia Definition Digital			Flexia Definition HM Digital		
	WD [mm]	FOV [mm]	Resolution [$\mu\text{m}/\text{Pixel}$]	WD [mm]	FOV [mm]	Resolution [$\mu\text{m}/\text{Pixel}$]
Varifocal 1-100x lens Min	infinity	infinity	-	infinity	infinity	-
Varifocal 1-100x lens Max	22	7.5	4.7	20	5.5	3.4
100x Fix lens with RingLight	20	3.1	1.9	20	1.86	1.2
170x Fix lens with RingLight	13	1.9	1.2	13	1.13	0.7
250x Fix lens with diffuse RingLight	4.4	1.25	0.8	4.5	0.75	0.5
500x Fix lens with diffuse RingLight	1.5	0.65	0.4	1.6	0.38	0.24
BGA lens, Low Aperture, I	150	100	63	infinity	infinity	-
BGA lens, Low Aperture, II	4.5	4.5	3	8	4.5	2.8
BGA lens, Low Aperture, III	1.5	2.5	1.6	2.3	1.8	1.1
BGA lens, Low Aperture, IV	0.7	1.8	1.1	0.9	1.3	0.8
BGA lens, Small Size, I	30	15	9.4	infinity	infinity	-
BGA lens, Small Size, II	4.5	3.5	2.2	7.5	3.5	2.2
BGA lens, Small Size, III	1.5	2.2	1.4	3.2	1.9	1.2
BGA lens, Small Size, IV	0.5	1.5	0.9	1	1.3	0.8

WD : Working Distance

FOV : Field of View

