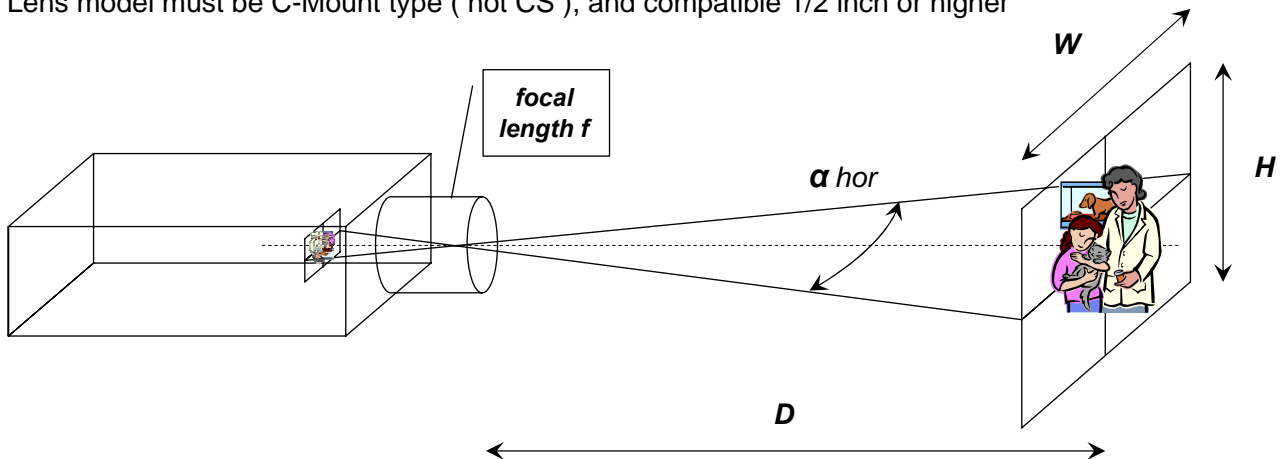


Selecting a lens for BASLER A301f & A301fc & A601f & A602f cameras

Lens model must be C-Mount type (not CS), and compatible 1/2 inch or higher



Lens focal length (see note 1)	Horizontal viewing angle	Vertical viewing angle	Diagonal viewing angle	Size of the reality for $D = 0,5 \text{ m}$ (see note 2)		Size of the reality for $D = 5 \text{ m}$	
				f	α_{hor}	α_{vert}	α_{diag}
(mm)	(°)	(°)	(°)	(m)	(m)	(m)	(m)
3,00	94,79	78,25	107,26	1,087	0,813	10,87	8,13
4,00	78,40	62,77	91,05	0,816	0,610	8,16	6,10
6,00	57,06	44,27	68,35	0,544	0,407	5,44	4,07
8,00	44,37	33,93	53,97	0,408	0,305	4,08	3,05
12,00	30,42	22,99	37,50	0,272	0,203	2,72	2,03
16,00	23,05	17,34	28,57	0,204	0,153	2,04	1,53
25,00	14,87	11,15	18,51	0,130	0,098	1,30	0,98
35,00	10,65	7,98	13,28	0,093	0,070	0,93	0,70
50,00	7,47	5,59	9,32	0,065	0,049	0,65	0,49
75,00	4,98	3,73	6,22	0,043	0,033	0,43	0,33
100,00	3,74	2,80	4,67	0,033	0,024	0,33	0,24

Note 1 : exact focal length depends on available models from lens manufacturers

Note 2 : each lens has a minimum object distance, that may be longer than 0,5 m