



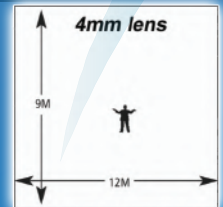
Camera Lens Guide

Field of View Calculator - Lens

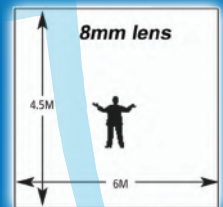
This guide will help you to choose the correct lens to suit your particular requirements. The correct lens is needed to determine the angle of view. For example: a bathing platform for stern docking. You need to consider the size of objects in relation to the picture on the monitor that a lens will provide.

The examples shown are for 1/3" camera using standard 4mm and 8mm lenses. If 1/2" cameras are used then these will approximate 6mm and 12mm lenses respectively. If you are still unsure, then it may be worth considering one of our cameras that have interchangeable lenses.

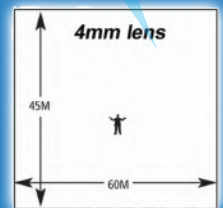
FOCAL LENGTH IN MM	FIELD OF VIEW (HORIZONTAL)	FORMAT H=HEIGHT W=WIDTH	DISTANCE BETWEEN CAMERA AND OBJECT IN METRES						
			1	5	10	20	30	50	100
4mm	63°	1/3" H W	0.8 1.1	4.0 5.5	8.0 11.0	16.0 21.0	----	----	----
	88°	1/2" H W	1.2 1.6	5.9 7.9	12.0 16.0	----	----	----	----
6mm	38°	1/3" H W	0.6 0.8	2.7 3.7	5.5 7.6	11.0 15.0	17.0 22.0	28.0 37.0	55.0 75.0
	58°	1/2" H W	0.8 1.1	4.0 5.3	7.2 11.0	16.0 21.0	24.0 32.0	40.0 53.0	----
8mm	33°	1/3" H W	0.4 0.6	2.0 2.7	4.0 5.5	8.0 11.0	12.0 16.0	20.0 27.0	40.0 53.0
	43°	1/2" H W	0.6 0.8	3.0 4.0	5.9 7.9	12.0 16.0	16.0 24.0	30.0 40.0	59.0 79.0
12.5mm	20°	1/3" H W	0.3 0.4	1.3 1.7	2.6 3.4	5.0 7.0	7.5 10.0	13.0 17.0	26.0 34.0
	29°	1/2" H W	0.4 0.5	1.9 2.5	3.6 5.1	7.6 10.0	11.0 15.0	19.0 25.0	38.0 51.0
25mm	10°	1/3" H W	0.1 0.2	0.7 0.9	1.3 1.7	2.6 3.4	3.8 5.0	6.5 8.5	13.0 17.0
	15°	1/2" H W	0.2 0.3	0.9 1.3	1.9 2.5	3.8 5.1	5.7 7.6	9.5 13.0	19.0 25.0
50mm	5°	1/3" H W	0.1 0.1	0.3 0.4	0.7 0.9	1.3 1.7	1.9 2.6	3.2 4.3	6.5 8.5
	7°	1/2" H W	---- ----	0.4 0.6	1.0 1.3	2.0 2.5	2.8 3.8	4.7 6.3	9.8 13.0
75mm	3°	1/3" H W	---- ----	0.2 0.3	0.4 0.6	0.9 1.2	1.3 1.7	2.1 2.9	4.3 5.5
	5°	1/2" H W	---- ----	0.3 0.4	0.6 0.8	1.3 1.7	1.9 2.5	3.2 4.2	6.4 8.4
100mm	2°	1/3" H W	---- ----	0.2 0.2	0.3 0.4	0.7 0.9	1.0 1.3	1.6 2.1	3.4 4.3
	3°	1/2" H W	---- ----	0.2 0.3	0.4 0.6	0.9 1.3	1.4 1.9	2.4 3.2	4.7 6.3



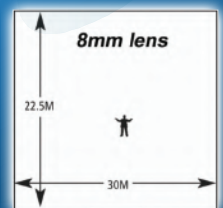
At 10m a 1.6m person occupies 17.8% of the picture height



At 10m a 1.6m person occupies 35.6% of the picture height



At 50m a 1.6m tall person occupies 3.6% of the picture height



At 50m a 1.6m tall person occupies 3.1% of the picture height

EXAMPLES OF DIFFERENT FIELDS OF VIEW

