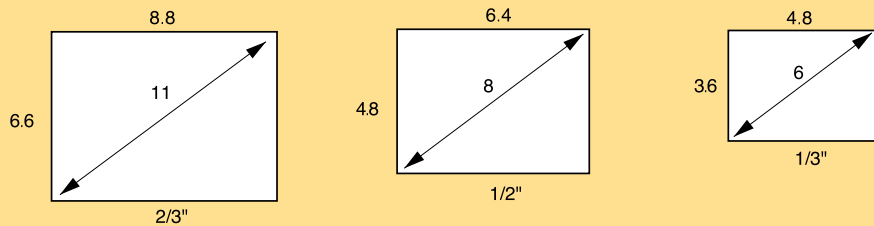


MML视场一览表

光学放大倍率	2/3" (长×宽×对角)	监视器放大倍率		1/2" (长度×宽度×角度)	监视器放大倍率		1/3" (长度×宽度×角度)	监视器放大倍率	
		9"	14"		9"	14"		9"	14"
x 0.1	66 x 88 x 110	2.1	3.2	48 x 64 x 80	2.9	4.5	36 x 48 x 60	3.8	5.9
x 0.14	47 x 63 x 79	2.9	4.5	34 x 46 x 57	4.0	6.2	26 x 34 x 43	5.3	8.3
x 0.16	41 x 55 x 69	3.4	5.2	30 x 40 x 50	4.6	7.1	23 x 30 x 38	6.1	9.5
x 0.18	37 x 49 x 61	3.8	5.8	27 x 36 x 44	5.1	8.0	20 x 27 x 33	6.9	10.7
x 0.2	33 x 44 x 55	4.2	6.5	24 x 32 x 40	5.7	8.9	18 x 24 x 30	7.6	11.9
x 0.3	22 x 29 x 37	6.3	9.7	16 x 21 x 27	8.6	13.4	12 x 16 x 20	11.4	17.8
x 0.4	17 x 22 x 28	8.4	12.9	12 x 16 x 20	11.4	17.8	9 x 12 x 15	15.2	23.7
x 0.5	13 x 18 x 22	10.5	16.2	9.6 x 12.8 x 16	14.3	22.3	7.2 x 9.6 x 12	19.1	29.7
x 0.6	11 x 15 x 18	12.6	19.4	8.0 x 10.7 x 13	17.2	26.7	6 x 8 x 10	22.9	35.6
x 0.7	9 x 13 x 16	14.7	22.6	6.9 x 9.1 x 11	20.0	31.2	5.1 x 6.9 x 8.6	26.7	41.5
x 0.75	9 x 12 x 15	15.8	24.2	6.4 x 8.5 x 11	21.5	33.4	4.8 x 6.4 x 8.0	28.6	44.5
x 0.8	8 x 11 x 14	16.8	25.8	6.0 x 8.0 x 10	22.9	35.6	4.5 x 6.0 x 7.5	30.5	47.4
x 0.9	7.3 x 9.8 x 12.2	18.9	29.1	5.3 x 7.1 x 8.9	25.7	40.1	4.0 x 5.3 x 6.7	34.3	53.4
x 1	6.6 x 8.8 x 11.0	21.0	32.3	4.8 x 6.4 x 8.0	28.6	44.5	3.6 x 4.8 x 6.0	38.1	59.3
x 1.5	4.4 x 5.9 x 7.3	31.5	48.5	3.2 x 4.3 x 5.3	42.9	66.8	2.4 x 3.2 x 4.0	57.2	89.0
x 2	3.3 x 4.4 x 5.5	42.0	64.6	2.4 x 3.2 x 4.0	57.2	89.0	1.8 x 2.4 x 3.0	76.2	119
x 2.5	2.6 x 3.5 x 4.4	52.5	80.8	1.9 x 2.6 x 3.2	71.5	111	1.4 x 1.9 x 2.4	95.3	148
x 3	2.2 x 2.9 x 3.7	63.0	96.9	1.6 x 2.1 x 2.7	85.8	134	1.2 x 1.6 x 2.0	114	178
x 3.5	1.9 x 2.5 x 3.1	73.5	113	1.4 x 1.8 x 2.3	100	156	1.0 x 1.4 x 1.7	133	208
x 4	1.7 x 2.2 x 2.8	84.0	129	1.2 x 1.6 x 2.0	114	178	0.9 x 1.2 x 1.5	152	237
x 4.5	1.5 x 2.0 x 2.4	94.5	145	1.1 x 1.4 x 1.8	129	200	0.8 x 1.1 x 1.3	171	267
x 5	1.3 x 1.8 x 2.2	105	162	1.0 x 1.3 x 1.6	143	223	0.7 x 1.0 x 1.2	191	297
x 6	1.1 x 1.5 x 1.8	126	194	0.8 x 1.1 x 1.3	172	267	0.6 x 0.8 x 1.0	229	356
x 7	0.94x1.26x1.57	147	226	0.69x0.91x1.14	200	312	0.51x0.69x0.86	267	415
x 8	0.83x1.10x1.38	168	258	0.60x0.80x1.00	229	356	0.45x0.60x0.75	305	474
x 9	0.73x0.98x1.22	189	291	0.53x0.71x0.89	257	401	0.40x0.53x0.67	343	534
x 10	0.66x0.88x1.10	210	323	0.48x0.64x0.80	286	445	0.36x0.48x0.60	381	593
x 11	0.60x0.80x1.00	231	355	0.44x0.58x0.73	315	490	0.33x0.44x0.55	419	652
x 12	0.55x0.73x0.92	252	388	0.40x0.53x0.67	343	534	0.30x0.40x0.50	457	712

数据表

CCD相机元素尺寸



计算方程式

- 分辨率(mm)** = 0.61 (常数) × 0.55 (设计波长) ÷ NA
- 有效FNO** = 放大倍率 ÷ 2NA
- 景深(mm)** = 2 (容许错乱圆周 × 有效FNO / 放大倍率²)
- 光束直径** = 2NA × 物体面上的高度 + 视野尺寸 (对角)