

## Canon EOS RP Field Angles

**Input DSLR Sensor Horizontal :** 35.9 mm

**Input DSLR Sensor Vertical :** 24.0 mm

DSLR Horz/Vert Ratio = 1.496

DSLR Diagonal = 43.2 mm

35 mm Film Diagonal (36 x 24 mm) = 43.3 mm

35 mm/DSLR Diagonal Ratio = 1.002

Note: Yellow cells are not locked. To remove protection, click "Review" then click "Unprotect Sheet." No password has been set.

• = EF-S type (for APS-C sensor, but auto-crop on RP, 1.6 factor included here)

7D Mk II = 22.4 x 15.0 mm 1.493 4.09 um 5472 x 3648 60Da = 22.3 x 14.9 mm, 5184 x 3456, 4.30 um

EOS RP = 35.9 x 24.0 mm 1.496 5.76 um 6240 x 4160 40D = 22.2 x 14.8 mm, 3888 x 2592, 5.71 um

6D = 35.8 x 23.9 mm 1.498 6.55 um 5472 x 3648

Lens FL (mm)	Horizontal FOV	Vertical FOV	Diagonal FOV	Lenses	H to V Angular Ratio	Angular Ratio vs. Sensor Ratio	Small Angle Approximation			Delta Diag Sm - Trig
							Horz	Vert	Diag	
15	100.2°	77.3°	110.4°	1. Irix 15 mm f/2.4 Firefly	1.296	0.867	137.1°	91.7°	164.9°	54.52°
20	83.8°	61.9°	94.4°	2. Sigma 20 mm f/1.4 DG HSM Art series	1.353	0.905	102.8°	68.8°	123.7°	29.33°
24	50.1°	34.7°	58.7°	• 3. Canon 24 mm f/2.8 STM pancake EF-S	1.444	0.965	85.7°	57.3°	103.1°	44.40°
30	41.0°	28.1°	48.4°	• 4. Sigma 30 mm f/1.4 DC HSM EX	1.461	0.977	68.6°	45.8°	82.5°	34.04°
40	48.3°	33.4°	56.7°	• 5. Canon 40 mm f/2.8 STM pancake	1.447	0.968	51.4°	34.4°	61.9°	5.14°
45	43.5°	29.9°	51.3°	6. Tamron 45 mm f/1.8	1.456	0.974	45.7°	30.6°	55.0°	3.72°
12	86.1°	64.0°	96.7°	• 7. Tokina 12-28 mm f/4 (EF-S type)	1.346	0.900	171°	114.6°	206°	109.5°
16	70.1°	50.2°	80.3°	•	1.395	0.933	128.6°	85.9°	154.6°	74.35°
20	58.6°	41.1°	68.0°	•	1.425	0.953	102.8°	68.8°	123.7°	55.69°
24	50.1°	34.7°	58.7°	•	1.444	0.965	85.7°	57.3°	103.1°	44.40°
28	43.7°	30.0°	51.5°	•	1.456	0.973	73.5°	49.1°	88.4°	36.90°
18	63.9°	45.2°	73.7°	• 8. Sigma 18-50 mm f/2.8 (EF-S type)	1.412	0.944	114.3°	76.4°	137.5°	63.74°
24	50.1°	34.7°	58.7°	•	1.444	0.965	85.7°	57.3°	103.1°	44.40°
28	43.7°	30.0°	51.5°	•	1.456	0.973	73.5°	49.1°	88.4°	36.90°
35	35.5°	24.2°	42.2°	•	1.469	0.982	58.8°	39.3°	70.7°	28.52°
50	25.3°	17.1°	30.2°	•	1.482	0.991	41.1°	27.5°	49.5°	19.28°
24	73.6°	53.1°	84.0°	9. Canon 24-105 mm f/4L IS zoom	1.385	0.926	85.7°	57.3°	103.1°	19.14°
35	54.3°	37.8°	63.3°		1.435	0.959	58.8°	39.3°	70.7°	7.35°
50	39.5°	27.0°	46.7°	17. Sigma 20 mm f/1.4 DG HSM Art	1.463	0.978	41.1°	27.5°	49.5°	2.77°
70	28.8°	19.5°	34.3°		1.479	0.988	29.4°	19.6°	35.3°	1.06°
105	19.4°	13.0°	23.2°		1.488	0.995	19.6°	13.1°	23.6°	0.32°
85	23.8°	16.1°	28.5°	10. Yongnou 85 mm f/1.8	1.484	0.992	24.2°	16.2°	29.1°	0.60°
70	28.8°	19.5°	34.3°	11. Canon 70-200 mm f/2.8L zoom	1.479	0.988	29.4°	19.6°	35.3°	1.06°
100	20.4°	13.7°	24.4°	12. Canon 100 mm f/2.8L IS macro	1.487	0.994	20.6°	13.8°	24.7°	0.37°
135	15.1°	10.2°	18.2°		1.491	0.997	15.24°	10.19°	18.3°	0.15°
200	10.3°	6.87°	12.3°	13. Canon 200 mm f/2.8L II USM	1.494	0.999	10.28°	6.88°	12.37°	0.05°
300	6.85°	4.58°	8.23°	14. Sigma 70-300 mm f/4-5.6 apo zoom	1.495	0.999	6.86°	4.58°	8.25°	0.01°
400	5.14°	3.44°	6.18°	15. Canon 400 mm f/5.6L telephoto	1.495	1.000	5.14°	3.44°	6.19°	0.01°
910	2.26°	1.51°	2.72°	Stellarvue 130 mm, f/7 apo refractor	1.496	1.000	2.26°	1.51°	2.72°	0.00°
150	13.6°	9.15°	16.4°	16. Tamron 150-600 mm f/5-6.3 zoom	1.492	0.997	13.71°	9.17°	16.49°	0.113°
200	10.3°	6.87°	12.3°		1.494	0.999	10.28°	6.88°	12.37°	0.048°
250	8.21°	5.50°	9.87°		1.494	0.999	8.23°	5.50°	9.90°	0.024°
300	6.85°	4.58°	8.23°		1.495	0.999	6.86°	4.58°	8.25°	0.014°
350	5.87°	3.93°	7.06°		1.495	1.000	5.88°	3.93°	7.07°	0.009°
400	5.14°	3.44°	6.18°		1.495	1.000	5.14°	3.44°	6.19°	0.006°
450	4.57°	3.06°	5.49°		1.495	1.000	4.57°	3.06°	5.50°	0.004°
500	4.11°	2.75°	4.95°		1.495	1.000	4.11°	2.75°	4.95°	0.003°
550	3.74°	2.50°	4.50°		1.496	1.000	3.74°	2.50°	4.50°	0.002°
600	3.43°	2.29°	4.12°		1.496	1.000	3.43°	2.29°	4.12°	0.002°