

Canon 6D Field Angles

Input DSLR Sensor Horizontal : 35.8 mm

Input DSLR Sensor Vertical : 23.9 mm

DSLR Horz/Vert Ratio = 1.498

DSLR Diagonal = 43.0 mm

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

35 mm/DSLR Diagonal Ratio = 1.005

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

40D = 22.2 x 14.8 mm 1.486 5.71 μm 3888 x 2592

7D Mk II = 22.4 x 15.0 mm 1.493 4.09 μm 5472 x 3648

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

60Da = 22.3 x 14.9 mm, 5184 x 3456, 4.30 μm

Lens FL (mm)	Horizontal FOV	Vertical FOV	Diagonal FOV	Full-Frame Lenses	H to V Angular Ratio	Angular Ratio vs. Sensor Ratio	Small Angle Approximation			Delta Diag Sm - Trig
							Horz	Vert	Diag	
15	100°	77.1°	110°	irix 15 mm f/2.4 Firefly	1.298	0.867	137°	91°	164°	54.2°
20	83.7°	61.7°	94.2°	Sigma 20 mm f/1.4 DG HSM Art series	1.356	0.905	103°	68°	123°	29.1°
40	48.2°	33.3°	56.6°	Canon 40 mm f/2.8 STM pancake type	1.449	0.968	51.3°	34.2°	61.7°	5.09°
45	43.4°	29.7°	51.1°	Tamron 45 mm f/1.8	1.459	0.974	45.6°	30.4°	54.8°	3.69°
24	73.4°	52.9°	83.8°	Canon 24-105 mm f/4L IS zoom	1.387	0.926	85.5°	57.1°	103°	19.0°
35	54.2°	37.7°	63.2°		1.437	0.959	58.6°	39.1°	70.5°	7.29°
50	39.4°	26.9°	46.6°	Sigma 50 mm f/1.4 DG HSM Art	1.465	0.978	41.0°	27.4°	49.3°	2.75°
70	28.7°	19.4°	34.2°		1.481	0.988	29.3°	19.6°	35.2°	1.05°
105	19.3°	13.0°	23.2°		1.490	0.995	19.5°	13.0°	23.5°	0.32°
85	23.8°	16.0°	28.4°	Yongnuo 85 mm f/1.8	1.486	0.992	24.1°	16.1°	29.0°	0.60°
70	28.7°	19.4°	34.2°	Canon 70-200 mm f/2.8L zoom	1.481	0.988	29.3°	19.6°	35.2°	1.05°
100	20.3°	13.6°	24.3°	Canon 100 mm f/2.8L IS macro	1.489	0.994	20.5°	13.7°	24.7°	0.37°
135	15.1°	10.1°	18.1°		1.493	0.997	15.2°	10.1°	18.3°	0.15°
200	10.2°	6.84°	12.3°	Canon 200 mm f/2.8L II USM	1.496	0.999	10.3°	6.85°	12.3°	0.05°
300	6.83°	4.56°	8.21°	Sigma 70-300 mm f/4-5.6 apo zoom	1.497	0.999	6.84°	4.56°	8.22°	0.01°
400	5.12°	3.42°	6.16°	Canon 400 mm f/5.6L telephoto	1.497	1.000	5.13°	3.42°	6.17°	0.01°
910	2.25°	1.50°	2.71°	Stellarvue 130 mm, f/7 apo refractor	1.498	1.000	2.25°	1.50°	2.71°	0.00°
150	13.61°	9.11°	16.33°	Tamron 150-600 mm f/5-6.3 zoom	1.494	0.997	13.67°	9.13°	16.44°	0.111°
200	10.23°	6.84°	12.28°		1.496	0.999	10.26°	6.85°	12.33°	0.047°
250	8.19°	5.47°	9.84°		1.496	0.999	8.20°	5.48°	9.87°	0.024°
300	6.83°	4.56°	8.21°		1.497	0.999	6.84°	4.56°	8.22°	0.014°
350	5.86°	3.91°	7.04°		1.497	1.000	5.86°	3.91°	7.05°	0.009°
400	5.12°	3.42°	6.16°		1.497	1.000	5.13°	3.42°	6.17°	0.006°
450	4.56°	3.04°	5.48°		1.497	1.000	4.56°	3.04°	5.48°	0.004°
500	4.10°	2.74°	4.93°		1.498	1.000	4.10°	2.74°	4.93°	0.003°
550	3.73°	2.49°	4.48°		1.498	1.000	3.73°	2.49°	4.48°	0.002°
600	3.42°	2.28°	4.11°		1.498	1.000	3.42°	2.28°	4.11°	0.002°