

Format	Width (pixels)	Height (pixels)	Area (pixels sq)	Area (megapixels)	Aspect Ratio	Aspect Ratio
UHDTV2 (8K)	7680	4320	33177600	33177.6	1.78	16:9
UHDTV! (4K)	3840	2160	8294400	8294.4	1.78	16:9
HD 1080p	1920	1080	2073600	2073.6	1.78	16:9
HD 720p	1280	720	921600	921.6	1.78	16:9
SD	640	480	307200	307.2	1.33	4:3

Display Dimensions (inches)			Native Resolution (PPI)					Optimal Viewing Distance (inches)			Resolution Perception Threshold (PPI)		
Display Size Diagonal (in)	Display Size Width (In)	Display Size Height (in)	PPI @ UHD 8K	PPI @ UHD 4K	PPI @ HD 1080	PPI @ HD 720	PPI @ SD 480	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle
1	0.87	0.49	8800	4400	2200	1467	733	1	2	3	2865	2149	1375
2	1.75	0.98	4400	2200	1100	733	367	2	3	5	1433	1074	688
3	2.62	1.47	2933	1467	733	489	244	4	5	8	955	716	458
4	3.49	1.96	2200	1100	550	367	183	5	6	10	716	537	344
5	4.36	2.45	1760	880	440	293	147	6	8	13	573	430	275
6	5.24	2.94	1467	733	367	244	122	7	10	15	478	358	229
7	6.11	3.43	1257	629	314	210	105	8	11	18	409	307	196
8	6.98	3.92	1100	550	275	183	92	10	13	20	358	269	172
9	7.85	4.41	978	489	244	163	81	11	14	23	318	239	153
10	8.73	4.90	880	440	220	147	73	12	16	25	287	215	138
11	9.60	5.39	800	400	200	133	67	13	18	28	260	195	125
12	10.47	5.88	733	367	183	122	61	14	19	30	239	179	115
13	11.35	6.37	677	338	169	113	56	16	21	33	220	165	106
14	12.22	6.86	629	314	157	105	52	17	22	35	205	153	98
15	13.09	7.35	587	293	147	98	49	18	24	38	191	143	92
16	13.96	7.84	550	275	138	92	46	19	26	40	179	134	86
17	14.84	8.33	518	259	129	86	43	20	27	43	169	126	81
18	15.71	8.83	489	244	122	81	41	22	29	45	159	119	76
19	16.58	9.32	463	232	116	77	39	23	30	48	151	113	72
20	17.45	9.81	440	220	110	73	37	24	32	50	143	107	69
21	18.33	10.30	419	210	105	70	35	25	34	53	136	102	65
22	19.20	10.79	400	200	100	67	33	26	35	55	130	98	63
23	20.07	11.28	383	191	96	64	32	28	37	58	125	93	60
24	20.95	11.77	367	183	92	61	31	29	38	60	119	90	57
25	21.82	12.26	352	176	88	59	29	30	40	63	115	86	55
26	22.69	12.75	338	169	85	56	28	31	42	65	110	83	53
27	23.56	13.24	326	163	81	54	27	32	43	68	106	80	51
28	24.44	13.73	314	157	79	52	26	34	45	70	102	77	49
29	25.31	14.22	303	152	76	51	25	35	46	73	99	74	47
30	26.18	14.71	293	147	73	49	24	36	48	75	96	72	46
31	27.05	15.20	284	142	71	47	24	37	50	78	92	69	44
32	27.93	15.69	275	138	69	46	23	38	51	80	90	67	43
33	28.80	16.18	267	133	67	44	22	40	53	83	87	65	42
34	29.67	16.67	259	129	65	43	22	41	54	85	84	63	40
35	30.55	17.16	251	126	63	42	21	42	56	88	82	61	39

Display Dimensions (inches)			Native Resolution (PPI)					Optimal Viewing Distance (inches)			Resolution Perception Thershold (PPI)		
Display Size Diagonal (in)	Display Size Width (In)	Display Size Height (in)	PPI @ UHD 8K	PPI @ UHD 4K	PPI @ HD 1080	PPI @ HD 720	PPI @ SD 480	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle
36	31.42	17.65	244	122	61	41	20	43	58	90	80	60	38
37	32.29	18.14	238	119	59	40	20	44	59	93	77	58	37
38	33.16	18.63	232	116	58	39	19	46	61	95	75	57	36
39	34.04	19.12	226	113	56	38	19	47	62	98	73	55	35
40	34.91	19.61	220	110	55	37	18	48	64	100	72	54	34
41	35.78	20.10	215	107	54	36	18	49	66	103	70	52	34
42	36.65	20.59	210	105	52	35	17	50	67	105	68	51	33
43	37.53	21.08	205	102	51	34	17	52	69	108	67	50	32
44	38.40	21.57	200	100	50	33	17	53	70	110	65	49	31
45	39.27	22.06	196	98	49	33	16	54	72	113	64	48	31
46	40.14	22.55	191	96	48	32	16	55	74	115	62	47	30
47	41.02	23.04	187	94	47	31	16	56	75	118	61	46	29
48	41.89	23.53	183	92	46	31	15	58	77	120	60	45	29
49	42.76	24.02	180	90	45	30	15	59	78	123	58	44	28
50	43.64	24.51	176	88	44	29	15	60	80	125	57	43	28
51	44.51	25.00	173	86	43	29	14	61	82	128	56	42	27
52	45.38	25.50	169	85	42	28	14	62	83	130	55	41	26
53	46.25	25.99	166	83	42	28	14	64	85	133	54	41	26
54	47.13	26.48	163	81	41	27	14	65	86	135	53	40	25
55	48.00	26.97	160	80	40	27	13	66	88	138	52	39	25
56	48.87	27.46	157	79	39	26	13	67	90	140	51	38	25
57	49.74	27.95	154	77	39	26	13	68	91	143	50	38	24
58	50.62	28.44	152	76	38	25	13	70	93	145	49	37	24
59	51.49	28.93	149	75	37	25	12	71	94	148	49	36	23
60	52.36	29.42	147	73	37	24	12	72	96	150	48	36	23
61	53.24	29.91	144	72	36	24	12	73	98	153	47	35	23
62	54.11	30.40	142	71	35	24	12	74	99	155	46	35	22
63	54.98	30.89	140	70	35	23	12	76	101	158	45	34	22
64	55.85	31.38	138	69	34	23	11	77	102	160	45	34	21
65	56.73	31.87	135	68	34	23	11	78	104	163	44	33	21
66	57.60	32.36	133	67	33	22	11	79	106	165	43	33	21
67	58.47	32.85	131	66	33	22	11	80	107	168	43	32	21
68	59.34	33.34	129	65	32	22	11	82	109	170	42	32	20
69	60.22	33.83	128	64	32	21	11	83	110	173	42	31	20
70	61.09	34.32	126	63	31	21	10	84	112	175	41	31	20
71	61.96	34.81	124	62	31	21	10	85	114	178	40	30	19
72	62.84	35.30	122	61	31	20	10	86	115	180	40	30	19
73	63.71	35.79	121	60	30	20	10	88	117	183	39	29	19
74	64.58	36.28	119	59	30	20	10	89	118	185	39	29	19
75	65.45	36.77	117	59	29	20	10	90	120	188	38	29	18
76	66.33	37.26	116	58	29	19	10	91	122	190	38	28	18
77	67.20	37.75	114	57	29	19	10	92	123	193	37	28	18
78	68.07	38.24	113	56	28	19	9	94	125	195	37	28	18

Display Dimensions (inches)			Native Resolution (PPI)					Optimal Viewing Distance (inches)			Resolution Perception Thershold (PPI)		
Display Size Diagonal (in)	Display Size Width (In)	Display Size Height (in)	PPI @ UHD 8K	PPI @ UHD 4K	PPI @ HD 1080	PPI @ HD 720	PPI @ SD 480	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle
79	68.94	38.73	111	56	28	19	9	95	126	198	36	27	17
80	69.82	39.22	110	55	28	18	9	96	128	200	36	27	17
81	70.69	39.71	109	54	27	18	9	97	130	203	35	27	17
82	71.56	40.20	107	54	27	18	9	98	131	205	35	26	17
83	72.44	40.69	106	53	27	18	9	100	133	208	35	26	17
84	73.31	41.18	105	52	26	17	9	101	134	210	34	26	16
85	74.18	41.67	104	52	26	17	9	102	136	213	34	25	16
86	75.05	42.16	102	51	26	17	9	103	138	215	33	25	16
87	75.93	42.66	101	51	25	17	8	104	139	218	33	25	16
88	76.80	43.15	100	50	25	17	8	106	141	220	33	24	16
89	77.67	43.64	99	49	25	16	8	107	142	223	32	24	15
90	78.54	44.13	98	49	24	16	8	108	144	225	32	24	15
91	79.42	44.62	97	48	24	16	8	109	146	228	31	24	15
92	80.29	45.11	96	48	24	16	8	110	147	230	31	23	15
93	81.16	45.60	95	47	24	16	8	112	149	233	31	23	15
94	82.04	46.09	94	47	23	16	8	113	150	235	30	23	15
95	82.91	46.58	93	46	23	15	8	114	152	238	30	23	14
96	83.78	47.07	92	46	23	15	8	115	154	240	30	22	14
97	84.65	47.56	91	45	23	15	8	116	155	243	30	22	14
98	85.53	48.05	90	45	22	15	7	118	157	245	29	22	14
99	86.40	48.54	89	44	22	15	7	119	158	248	29	22	14
100	87.27	49.03	88	44	22	15	7	120	160	250	29	21	14
101	88.14	49.52	87	44	22	15	7	121	162	253	28	21	14
102	89.02	50.01	86	43	22	14	7	122	163	255	28	21	13
103	89.89	50.50	85	43	21	14	7	124	165	258	28	21	13
104	90.76	50.99	85	42	21	14	7	125	166	260	28	21	13
105	91.64	51.48	84	42	21	14	7	126	168	263	27	20	13
106	92.51	51.97	83	42	21	14	7	127	170	265	27	20	13
107	93.38	52.46	82	41	21	14	7	128	171	268	27	20	13
108	94.25	52.95	81	41	20	14	7	130	173	270	27	20	13
109	95.13	53.44	81	40	20	13	7	131	174	273	26	20	13
110	96.00	53.93	80	40	20	13	7	132	176	275	26	20	13
111	96.87	54.42	79	40	20	13	7	133	178	278	26	19	12
112	97.74	54.91	79	39	20	13	7	134	179	280	26	19	12
113	98.62	55.40	78	39	19	13	6	136	181	283	25	19	12
114	99.49	55.89	77	39	19	13	6	137	182	285	25	19	12
115	100.36	56.38	77	38	19	13	6	138	184	288	25	19	12
116	101.24	56.87	76	38	19	13	6	139	186	290	25	19	12
117	102.11	57.36	75	38	19	13	6	140	187	293	24	18	12
118	102.98	57.85	75	37	19	12	6	142	189	295	24	18	12
119	103.85	58.34	74	37	18	12	6	143	190	298	24	18	12
120	104.73	58.83	73	37	18	12	6	144	192	300	24	18	11
121	105.60	59.33	73	36	18	12	6	145	194	303	24	18	11

Display Dimensions (inches)			Native Resolution (PPI)					Optimal Viewing Distance (inches)			Resolution Perception Thershold (PPI)		
Display Size Diagonal (in)	Display Size Width (In)	Display Size Height (in)	PPI @ UHD 8K	PPI @ UHD 4K	PPI @ HD 1080	PPI @ HD 720	PPI @ SD 480	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle
122	106.47	59.82	72	36	18	12	6	146	195	305	23	18	11
123	107.34	60.31	72	36	18	12	6	148	197	308	23	17	11
124	108.22	60.80	71	35	18	12	6	149	198	310	23	17	11
125	109.09	61.29	70	35	18	12	6	150	200	313	23	17	11
126	109.96	61.78	70	35	17	12	6	151	202	315	23	17	11
127	110.84	62.27	69	35	17	12	6	152	203	318	23	17	11
128	111.71	62.76	69	34	17	11	6	154	205	320	22	17	11
129	112.58	63.25	68	34	17	11	6	155	206	323	22	17	11
130	113.45	63.74	68	34	17	11	6	156	208	325	22	17	11
131	114.33	64.23	67	34	17	11	6	157	210	328	22	16	10
132	115.20	64.72	67	33	17	11	6	158	211	330	22	16	10
133	116.07	65.21	66	33	17	11	6	160	213	333	22	16	10
134	116.94	65.70	66	33	16	11	5	161	214	335	21	16	10
135	117.82	66.19	65	33	16	11	5	162	216	338	21	16	10
136	118.69	66.68	65	32	16	11	5	163	218	340	21	16	10
137	119.56	67.17	64	32	16	11	5	164	219	343	21	16	10
138	120.43	67.66	64	32	16	11	5	166	221	345	21	16	10
139	121.31	68.15	63	32	16	11	5	167	222	348	21	15	10
140	122.18	68.64	63	31	16	10	5	168	224	350	20	15	10
141	123.05	69.13	62	31	16	10	5	169	226	353	20	15	10
142	123.93	69.62	62	31	15	10	5	170	227	355	20	15	10
143	124.80	70.11	62	31	15	10	5	172	229	358	20	15	10
144	125.67	70.60	61	31	15	10	5	173	230	360	20	15	10
145	126.54	71.09	61	30	15	10	5	174	232	363	20	15	9
146	127.42	71.58	60	30	15	10	5	175	234	365	20	15	9
147	128.29	72.07	60	30	15	10	5	176	235	368	19	15	9
148	129.16	72.56	59	30	15	10	5	178	237	370	19	15	9
149	130.03	73.05	59	30	15	10	5	179	238	373	19	14	9
150	130.91	73.54	59	29	15	10	5	180	240	375	19	14	9
151	131.78	74.03	58	29	15	10	5	181	242	378	19	14	9
152	132.65	74.52	58	29	14	10	5	182	243	380	19	14	9
153	133.53	75.01	58	29	14	10	5	184	245	383	19	14	9
154	134.40	75.50	57	29	14	10	5	185	246	385	19	14	9
155	135.27	76.00	57	28	14	9	5	186	248	388	18	14	9
156	136.14	76.49	56	28	14	9	5	187	250	390	18	14	9
157	137.02	76.98	56	28	14	9	5	188	251	393	18	14	9
158	137.89	77.47	56	28	14	9	5	190	253	395	18	14	9
159	138.76	77.96	55	28	14	9	5	191	254	398	18	14	9
160	139.63	78.45	55	28	14	9	5	192	256	400	18	13	9
161	140.51	78.94	55	27	14	9	5	193	258	403	18	13	9
162	141.38	79.43	54	27	14	9	5	194	259	405	18	13	8
163	142.25	79.92	54	27	13	9	4	196	261	408	18	13	8
164	143.13	80.41	54	27	13	9	4	197	262	410	17	13	8

Display Dimensions (inches)			Native Resolution (PPI)					Optimal Viewing Distance (inches)			Resolution Perception Thershold (PPI)		
Display Size Diagonal (in)	Display Size Width (In)	Display Size Height (in)	PPI @ UHD 8K	PPI @ UHD 4K	PPI @ HD 1080	PPI @ HD 720	PPI @ SD 480	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle
165	144.00	80.90	53	27	13	9	4	198	264	413	17	13	8
166	144.87	81.39	53	27	13	9	4	199	266	415	17	13	8
167	145.74	81.88	53	26	13	9	4	200	267	418	17	13	8
168	146.62	82.37	52	26	13	9	4	202	269	420	17	13	8
169	147.49	82.86	52	26	13	9	4	203	270	423	17	13	8
170	148.36	83.35	52	26	13	9	4	204	272	425	17	13	8
171	149.23	83.84	51	26	13	9	4	205	274	428	17	13	8
172	150.11	84.33	51	26	13	9	4	206	275	430	17	12	8
173	150.98	84.82	51	25	13	8	4	208	277	433	17	12	8
174	151.85	85.31	51	25	13	8	4	209	278	435	16	12	8
175	152.73	85.80	50	25	13	8	4	210	280	438	16	12	8
176	153.60	86.29	50	25	13	8	4	211	282	440	16	12	8
177	154.47	86.78	50	25	12	8	4	212	283	443	16	12	8
178	155.34	87.27	49	25	12	8	4	214	285	445	16	12	8
179	156.22	87.76	49	25	12	8	4	215	286	448	16	12	8
180	157.09	88.25	49	24	12	8	4	216	288	450	16	12	8
181	157.96	88.74	49	24	12	8	4	217	290	453	16	12	8
182	158.83	89.23	48	24	12	8	4	218	291	455	16	12	8
183	159.71	89.72	48	24	12	8	4	220	293	458	16	12	8
184	160.58	90.21	48	24	12	8	4	221	294	460	16	12	7
185	161.45	90.70	48	24	12	8	4	222	296	463	15	12	7
186	162.33	91.19	47	24	12	8	4	223	298	465	15	12	7
187	163.20	91.68	47	24	12	8	4	224	299	468	15	11	7
188	164.07	92.17	47	23	12	8	4	226	301	470	15	11	7
189	164.94	92.66	47	23	12	8	4	227	302	473	15	11	7
190	165.82	93.16	46	23	12	8	4	228	304	475	15	11	7
191	166.69	93.65	46	23	12	8	4	229	306	478	15	11	7
192	167.56	94.14	46	23	11	8	4	230	307	480	15	11	7
193	168.43	94.63	46	23	11	8	4	232	309	483	15	11	7
194	169.31	95.12	45	23	11	8	4	233	310	485	15	11	7
195	170.18	95.61	45	23	11	8	4	234	312	488	15	11	7
196	171.05	96.10	45	22	11	7	4	235	314	490	15	11	7
197	171.93	96.59	45	22	11	7	4	236	315	493	15	11	7
198	172.80	97.08	44	22	11	7	4	238	317	495	14	11	7
199	173.67	97.57	44	22	11	7	4	239	318	498	14	11	7
200	174.54	98.06	44	22	11	7	4	240	320	500	14	11	7
201	175.42	98.55	44	22	11	7	4	241	322	503	14	11	7
202	176.29	99.04	44	22	11	7	4	242	323	505	14	11	7
203	177.16	99.53	43	22	11	7	4	244	325	508	14	11	7
204	178.03	100.02	43	22	11	7	4	245	326	510	14	11	7
205	178.91	100.51	43	21	11	7	4	246	328	513	14	10	7
206	179.78	101.00	43	21	11	7	4	247	330	515	14	10	7
207	180.65	101.49	43	21	11	7	4	248	331	518	14	10	7

Display Dimensions (inches)			Native Resolution (PPI)					Optimal Viewing Distance (inches)			Resolution Perception Thershold (PPI)		
Display Size Diagonal (in)	Display Size Width (In)	Display Size Height (in)	PPI @ UHD 8K	PPI @ UHD 4K	PPI @ HD 1080	PPI @ HD 720	PPI @ SD 480	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle
208	181.53	101.98	42	21	11	7	4	250	333	520	14	10	7
209	182.40	102.47	42	21	11	7	4	251	334	523	14	10	7
210	183.27	102.96	42	21	10	7	3	252	336	525	14	10	7
211	184.14	103.45	42	21	10	7	3	253	338	528	14	10	7
212	185.02	103.94	42	21	10	7	3	254	339	530	14	10	6
213	185.89	104.43	41	21	10	7	3	256	341	533	13	10	6
214	186.76	104.92	41	21	10	7	3	257	342	535	13	10	6
215	187.63	105.41	41	20	10	7	3	258	344	538	13	10	6
216	188.51	105.90	41	20	10	7	3	259	346	540	13	10	6
217	189.38	106.39	41	20	10	7	3	260	347	543	13	10	6
218	190.25	106.88	40	20	10	7	3	262	349	545	13	10	6
219	191.12	107.37	40	20	10	7	3	263	350	548	13	10	6
220	192.00	107.86	40	20	10	7	3	264	352	550	13	10	6
221	192.87	108.35	40	20	10	7	3	265	354	553	13	10	6
222	193.74	108.84	40	20	10	7	3	266	355	555	13	10	6
223	194.62	109.33	39	20	10	7	3	268	357	558	13	10	6
224	195.49	109.83	39	20	10	7	3	269	358	560	13	10	6
225	196.36	110.32	39	20	10	7	3	270	360	563	13	10	6
226	197.23	110.81	39	19	10	6	3	271	362	565	13	10	6
227	198.11	111.30	39	19	10	6	3	272	363	568	13	9	6
228	198.98	111.79	39	19	10	6	3	274	365	570	13	9	6
229	199.85	112.28	38	19	10	6	3	275	366	573	13	9	6
230	200.72	112.77	38	19	10	6	3	276	368	575	12	9	6
231	201.60	113.26	38	19	10	6	3	277	370	578	12	9	6
232	202.47	113.75	38	19	9	6	3	278	371	580	12	9	6
233	203.34	114.24	38	19	9	6	3	280	373	583	12	9	6
234	204.22	114.73	38	19	9	6	3	281	374	585	12	9	6
235	205.09	115.22	37	19	9	6	3	282	376	588	12	9	6
236	205.96	115.71	37	19	9	6	3	283	378	590	12	9	6
237	206.83	116.20	37	19	9	6	3	284	379	593	12	9	6
238	207.71	116.69	37	18	9	6	3	286	381	595	12	9	6
239	208.58	117.18	37	18	9	6	3	287	382	598	12	9	6
240	209.45	117.67	37	18	9	6	3	288	384	600	12	9	6
241	210.32	118.16	37	18	9	6	3	289	386	603	12	9	6
242	211.20	118.65	36	18	9	6	3	290	387	605	12	9	6
243	212.07	119.14	36	18	9	6	3	292	389	608	12	9	6
244	212.94	119.63	36	18	9	6	3	293	390	610	12	9	6
245	213.82	120.12	36	18	9	6	3	294	392	613	12	9	6
246	214.69	120.61	36	18	9	6	3	295	394	615	12	9	6
247	215.56	121.10	36	18	9	6	3	296	395	618	12	9	6
248	216.43	121.59	35	18	9	6	3	298	397	620	12	9	6
249	217.31	122.08	35	18	9	6	3	299	398	623	12	9	6
250	218.18	122.57	35	18	9	6	3	300	400	625	11	9	6

Display Dimensions (inches)			Native Resolution (PPI)					Optimal Viewing Distance (inches)			Resolution Perception Thershold (PPI)		
Display Size Diagonal (in)	Display Size Width (In)	Display Size Height (in)	PPI @ UHD 8K	PPI @ UHD 4K	PPI @ HD 1080	PPI @ HD 720	PPI @ SD 480	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle
251	219.05	123.06	35	18	9	6	3	301	402	628	11	9	5
252	219.92	123.55	35	17	9	6	3	302	403	630	11	9	5
253	220.80	124.04	35	17	9	6	3	304	405	633	11	8	5
254	221.67	124.53	35	17	9	6	3	305	406	635	11	8	5
255	222.54	125.02	35	17	9	6	3	306	408	638	11	8	5
256	223.42	125.51	34	17	9	6	3	307	410	640	11	8	5
257	224.29	126.00	34	17	9	6	3	308	411	643	11	8	5
258	225.16	126.49	34	17	9	6	3	310	413	645	11	8	5
259	226.03	126.99	34	17	8	6	3	311	414	648	11	8	5
260	226.91	127.48	34	17	8	6	3	312	416	650	11	8	5
261	227.78	127.97	34	17	8	6	3	313	418	653	11	8	5
262	228.65	128.46	34	17	8	6	3	314	419	655	11	8	5
263	229.52	128.95	33	17	8	6	3	316	421	658	11	8	5
264	230.40	129.44	33	17	8	6	3	317	422	660	11	8	5
265	231.27	129.93	33	17	8	6	3	318	424	663	11	8	5
266	232.14	130.42	33	17	8	6	3	319	426	665	11	8	5
267	233.02	130.91	33	16	8	5	3	320	427	668	11	8	5
268	233.89	131.40	33	16	8	5	3	322	429	670	11	8	5
269	234.76	131.89	33	16	8	5	3	323	430	673	11	8	5
270	235.63	132.38	33	16	8	5	3	324	432	675	11	8	5
271	236.51	132.87	32	16	8	5	3	325	434	678	11	8	5
272	237.38	133.36	32	16	8	5	3	326	435	680	11	8	5
273	238.25	133.85	32	16	8	5	3	328	437	683	10	8	5
274	239.12	134.34	32	16	8	5	3	329	438	685	10	8	5
275	240.00	134.83	32	16	8	5	3	330	440	688	10	8	5
276	240.87	135.32	32	16	8	5	3	331	442	690	10	8	5
277	241.74	135.81	32	16	8	5	3	332	443	693	10	8	5
278	242.62	136.30	32	16	8	5	3	334	445	695	10	8	5
279	243.49	136.79	32	16	8	5	3	335	446	698	10	8	5
280	244.36	137.28	31	16	8	5	3	336	448	700	10	8	5
281	245.23	137.77	31	16	8	5	3	337	450	703	10	8	5
282	246.11	138.26	31	16	8	5	3	338	451	705	10	8	5
283	246.98	138.75	31	16	8	5	3	340	453	708	10	8	5
284	247.85	139.24	31	15	8	5	3	341	454	710	10	8	5
285	248.72	139.73	31	15	8	5	3	342	456	713	10	8	5
286	249.60	140.22	31	15	8	5	3	343	458	715	10	8	5
287	250.47	140.71	31	15	8	5	3	344	459	718	10	7	5
288	251.34	141.20	31	15	8	5	3	346	461	720	10	7	5
289	252.22	141.69	30	15	8	5	3	347	462	723	10	7	5
290	253.09	142.18	30	15	8	5	3	348	464	725	10	7	5
291	253.96	142.67	30	15	8	5	3	349	466	728	10	7	5
292	254.83	143.16	30	15	8	5	3	350	467	730	10	7	5
293	255.71	143.66	30	15	8	5	3	352	469	733	10	7	5

Display Dimensions (inches)			Native Resolution (PPI)					Optimal Viewing Distance (inches)			Resolution Perception Thershold (PPI)		
Display Size Diagonal (in)	Display Size Width (In)	Display Size Height (in)	PPI @ UHD 8K	PPI @ UHD 4K	PPI @ HD 1080	PPI @ HD 720	PPI @ SD 480	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle
294	256.58	144.15	30	15	7	5	2	353	470	735	10	7	5
295	257.45	144.64	30	15	7	5	2	354	472	738	10	7	5
296	258.32	145.13	30	15	7	5	2	355	474	740	10	7	5
297	259.20	145.62	30	15	7	5	2	356	475	743	10	7	5
298	260.07	146.11	30	15	7	5	2	358	477	745	10	7	5
299	260.94	146.60	29	15	7	5	2	359	478	748	10	7	5
300	261.82	147.09	29	15	7	5	2	360	480	750	10	7	5
301	262.69	147.58	29	15	7	5	2	361	482	753	10	7	5
302	263.56	148.07	29	15	7	5	2	362	483	755	9	7	5
303	264.43	148.56	29	15	7	5	2	364	485	758	9	7	5
304	265.31	149.05	29	14	7	5	2	365	486	760	9	7	5
305	266.18	149.54	29	14	7	5	2	366	488	763	9	7	5
306	267.05	150.03	29	14	7	5	2	367	490	765	9	7	4
307	267.92	150.52	29	14	7	5	2	368	491	768	9	7	4
308	268.80	151.01	29	14	7	5	2	370	493	770	9	7	4
309	269.67	151.50	28	14	7	5	2	371	494	773	9	7	4
310	270.54	151.99	28	14	7	5	2	372	496	775	9	7	4
311	271.41	152.48	28	14	7	5	2	373	498	778	9	7	4
312	272.29	152.97	28	14	7	5	2	374	499	780	9	7	4
313	273.16	153.46	28	14	7	5	2	376	501	783	9	7	4
314	274.03	153.95	28	14	7	5	2	377	502	785	9	7	4
315	274.91	154.44	28	14	7	5	2	378	504	788	9	7	4
316	275.78	154.93	28	14	7	5	2	379	506	790	9	7	4
317	276.65	155.42	28	14	7	5	2	380	507	793	9	7	4
318	277.52	155.91	28	14	7	5	2	382	509	795	9	7	4
319	278.40	156.40	28	14	7	5	2	383	510	798	9	7	4
320	279.27	156.89	28	14	7	5	2	384	512	800	9	7	4
321	280.14	157.38	27	14	7	5	2	385	514	803	9	7	4
322	281.01	157.87	27	14	7	5	2	386	515	805	9	7	4
323	281.89	158.36	27	14	7	5	2	388	517	808	9	7	4
324	282.76	158.85	27	14	7	5	2	389	518	810	9	7	4
325	283.63	159.34	27	14	7	5	2	390	520	813	9	7	4
326	284.51	159.83	27	13	7	4	2	391	522	815	9	7	4
327	285.38	160.32	27	13	7	4	2	392	523	818	9	7	4
328	286.25	160.82	27	13	7	4	2	394	525	820	9	7	4
329	287.12	161.31	27	13	7	4	2	395	526	823	9	7	4
330	288.00	161.80	27	13	7	4	2	396	528	825	9	7	4
331	288.87	162.29	27	13	7	4	2	397	530	828	9	6	4
332	289.74	162.78	27	13	7	4	2	398	531	830	9	6	4
333	290.61	163.27	26	13	7	4	2	400	533	833	9	6	4
334	291.49	163.76	26	13	7	4	2	401	534	835	9	6	4
335	292.36	164.25	26	13	7	4	2	402	536	838	9	6	4
336	293.23	164.74	26	13	7	4	2	403	538	840	9	6	4

Display Dimensions (inches)			Native Resolution (PPI)					Optimal Viewing Distance (inches)			Resolution Perception Thershold (PPI)		
Display Size Diagonal (in)	Display Size Width (In)	Display Size Height (in)	PPI @ UHD 8K	PPI @ UHD 4K	PPI @ HD 1080	PPI @ HD 720	PPI @ SD 480	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle
337	294.11	165.23	26	13	7	4	2	404	539	843	9	6	4
338	294.98	165.72	26	13	7	4	2	406	541	845	8	6	4
339	295.85	166.21	26	13	6	4	2	407	542	848	8	6	4
340	296.72	166.70	26	13	6	4	2	408	544	850	8	6	4
341	297.60	167.19	26	13	6	4	2	409	546	853	8	6	4
342	298.47	167.68	26	13	6	4	2	410	547	855	8	6	4
343	299.34	168.17	26	13	6	4	2	412	549	858	8	6	4
344	300.21	168.66	26	13	6	4	2	413	550	860	8	6	4
345	301.09	169.15	26	13	6	4	2	414	552	863	8	6	4
346	301.96	169.64	25	13	6	4	2	415	554	865	8	6	4
347	302.83	170.13	25	13	6	4	2	416	555	868	8	6	4
348	303.71	170.62	25	13	6	4	2	418	557	870	8	6	4
349	304.58	171.11	25	13	6	4	2	419	558	873	8	6	4
350	305.45	171.60	25	13	6	4	2	420	560	875	8	6	4
351	306.32	172.09	25	13	6	4	2	421	562	878	8	6	4
352	307.20	172.58	25	13	6	4	2	422	563	880	8	6	4
353	308.07	173.07	25	12	6	4	2	424	565	883	8	6	4
354	308.94	173.56	25	12	6	4	2	425	566	885	8	6	4
355	309.81	174.05	25	12	6	4	2	426	568	888	8	6	4
356	310.69	174.54	25	12	6	4	2	427	570	890	8	6	4
357	311.56	175.03	25	12	6	4	2	428	571	893	8	6	4
358	312.43	175.52	25	12	6	4	2	430	573	895	8	6	4
359	313.31	176.01	25	12	6	4	2	431	574	898	8	6	4
360	314.18	176.50	24	12	6	4	2	432	576	900	8	6	4
361	315.05	176.99	24	12	6	4	2	433	578	903	8	6	4
362	315.92	177.49	24	12	6	4	2	434	579	905	8	6	4
363	316.80	177.98	24	12	6	4	2	436	581	908	8	6	4
364	317.67	178.47	24	12	6	4	2	437	582	910	8	6	4
365	318.54	178.96	24	12	6	4	2	438	584	913	8	6	4
366	319.41	179.45	24	12	6	4	2	439	586	915	8	6	4
367	320.29	179.94	24	12	6	4	2	440	587	918	8	6	4
368	321.16	180.43	24	12	6	4	2	442	589	920	8	6	4
369	322.03	180.92	24	12	6	4	2	443	590	923	8	6	4
370	322.91	181.41	24	12	6	4	2	444	592	925	8	6	4
371	323.78	181.90	24	12	6	4	2	445	594	928	8	6	4
372	324.65	182.39	24	12	6	4	2	446	595	930	8	6	4
373	325.52	182.88	24	12	6	4	2	448	597	933	8	6	4
374	326.40	183.37	24	12	6	4	2	449	598	935	8	6	4
375	327.27	183.86	23	12	6	4	2	450	600	938	8	6	4
376	328.14	184.35	23	12	6	4	2	451	602	940	8	6	4
377	329.01	184.84	23	12	6	4	2	452	603	943	8	6	4
378	329.89	185.33	23	12	6	4	2	454	605	945	8	6	4
379	330.76	185.82	23	12	6	4	2	455	606	948	8	6	4

Display Dimensions (inches)			Native Resolution (PPI)					Optimal Viewing Distance (inches)			Resolution Perception Thershold (PPI)		
Display Size Diagonal (in)	Display Size Width (In)	Display Size Height (in)	PPI @ UHD 8K	PPI @ UHD 4K	PPI @ HD 1080	PPI @ HD 720	PPI @ SD 480	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle
380	331.63	186.31	23	12	6	4	2	456	608	950	8	6	4
381	332.51	186.80	23	12	6	4	2	457	610	953	8	6	4
382	333.38	187.29	23	12	6	4	2	458	611	955	8	6	4
383	334.25	187.78	23	11	6	4	2	460	613	958	7	6	4
384	335.12	188.27	23	11	6	4	2	461	614	960	7	6	4
385	336.00	188.76	23	11	6	4	2	462	616	963	7	6	4
386	336.87	189.25	23	11	6	4	2	463	618	965	7	6	4
387	337.74	189.74	23	11	6	4	2	464	619	968	7	6	4
388	338.61	190.23	23	11	6	4	2	466	621	970	7	6	4
389	339.49	190.72	23	11	6	4	2	467	622	973	7	6	4
390	340.36	191.21	23	11	6	4	2	468	624	975	7	6	4
391	341.23	191.70	23	11	6	4	2	469	626	978	7	5	4
392	342.10	192.19	22	11	6	4	2	470	627	980	7	5	4
393	342.98	192.68	22	11	6	4	2	472	629	983	7	5	3
394	343.85	193.17	22	11	6	4	2	473	630	985	7	5	3
395	344.72	193.66	22	11	6	4	2	474	632	988	7	5	3
396	345.60	194.15	22	11	6	4	2	475	634	990	7	5	3
397	346.47	194.65	22	11	6	4	2	476	635	993	7	5	3
398	347.34	195.14	22	11	6	4	2	478	637	995	7	5	3
399	348.21	195.63	22	11	6	4	2	479	638	998	7	5	3
400	349.09	196.12	22	11	6	4	2	480	640	1000	7	5	3
401	349.96	196.61	22	11	5	4	2	481	642	1003	7	5	3
402	350.83	197.10	22	11	5	4	2	482	643	1005	7	5	3
403	351.70	197.59	22	11	5	4	2	484	645	1008	7	5	3
404	352.58	198.08	22	11	5	4	2	485	646	1010	7	5	3
405	353.45	198.57	22	11	5	4	2	486	648	1013	7	5	3
406	354.32	199.06	22	11	5	4	2	487	650	1015	7	5	3
407	355.20	199.55	22	11	5	4	2	488	651	1018	7	5	3
408	356.07	200.04	22	11	5	4	2	490	653	1020	7	5	3
409	356.94	200.53	22	11	5	4	2	491	654	1023	7	5	3
410	357.81	201.02	21	11	5	4	2	492	656	1025	7	5	3
411	358.69	201.51	21	11	5	4	2	493	658	1028	7	5	3
412	359.56	202.00	21	11	5	4	2	494	659	1030	7	5	3
413	360.43	202.49	21	11	5	4	2	496	661	1033	7	5	3
414	361.30	202.98	21	11	5	4	2	497	662	1035	7	5	3
415	362.18	203.47	21	11	5	4	2	498	664	1038	7	5	3
416	363.05	203.96	21	11	5	4	2	499	666	1040	7	5	3
417	363.92	204.45	21	11	5	4	2	500	667	1043	7	5	3
418	364.80	204.94	21	11	5	4	2	502	669	1045	7	5	3
419	365.67	205.43	21	11	5	4	2	503	670	1048	7	5	3
420	366.54	205.92	21	10	5	3	2	504	672	1050	7	5	3
421	367.41	206.41	21	10	5	3	2	505	674	1053	7	5	3
422	368.29	206.90	21	10	5	3	2	506	675	1055	7	5	3

Display Dimensions (inches)			Native Resolution (PPI)					Optimal Viewing Distance (inches)			Resolution Perception Thershold (PPI)		
Display Size Diagonal (in)	Display Size Width (In)	Display Size Height (in)	PPI @ UHD 8K	PPI @ UHD 4K	PPI @ HD 1080	PPI @ HD 720	PPI @ SD 480	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle
423	369.16	207.39	21	10	5	3	2	508	677	1058	7	5	3
424	370.03	207.88	21	10	5	3	2	509	678	1060	7	5	3
425	370.90	208.37	21	10	5	3	2	510	680	1063	7	5	3
426	371.78	208.86	21	10	5	3	2	511	682	1065	7	5	3
427	372.65	209.35	21	10	5	3	2	512	683	1068	7	5	3
428	373.52	209.84	21	10	5	3	2	514	685	1070	7	5	3
429	374.40	210.33	21	10	5	3	2	515	686	1073	7	5	3
430	375.27	210.82	20	10	5	3	2	516	688	1075	7	5	3
431	376.14	211.32	20	10	5	3	2	517	690	1078	7	5	3
432	377.01	211.81	20	10	5	3	2	518	691	1080	7	5	3
433	377.89	212.30	20	10	5	3	2	520	693	1083	7	5	3
434	378.76	212.79	20	10	5	3	2	521	694	1085	7	5	3
435	379.63	213.28	20	10	5	3	2	522	696	1088	7	5	3
436	380.50	213.77	20	10	5	3	2	523	698	1090	7	5	3
437	381.38	214.26	20	10	5	3	2	524	699	1093	7	5	3
438	382.25	214.75	20	10	5	3	2	526	701	1095	7	5	3
439	383.12	215.24	20	10	5	3	2	527	702	1098	7	5	3
440	384.00	215.73	20	10	5	3	2	528	704	1100	7	5	3
441	384.87	216.22	20	10	5	3	2	529	706	1103	6	5	3
442	385.74	216.71	20	10	5	3	2	530	707	1105	6	5	3
443	386.61	217.20	20	10	5	3	2	532	709	1108	6	5	3
444	387.49	217.69	20	10	5	3	2	533	710	1110	6	5	3
445	388.36	218.18	20	10	5	3	2	534	712	1113	6	5	3
446	389.23	218.67	20	10	5	3	2	535	714	1115	6	5	3
447	390.10	219.16	20	10	5	3	2	536	715	1118	6	5	3
448	390.98	219.65	20	10	5	3	2	538	717	1120	6	5	3
449	391.85	220.14	20	10	5	3	2	539	718	1123	6	5	3
450	392.72	220.63	20	10	5	3	2	540	720	1125	6	5	3
451	393.60	221.12	20	10	5	3	2	541	722	1128	6	5	3
452	394.47	221.61	19	10	5	3	2	542	723	1130	6	5	3
453	395.34	222.10	19	10	5	3	2	544	725	1133	6	5	3
454	396.21	222.59	19	10	5	3	2	545	726	1135	6	5	3
455	397.09	223.08	19	10	5	3	2	546	728	1138	6	5	3
456	397.96	223.57	19	10	5	3	2	547	730	1140	6	5	3
457	398.83	224.06	19	10	5	3	2	548	731	1143	6	5	3
458	399.70	224.55	19	10	5	3	2	550	733	1145	6	5	3
459	400.58	225.04	19	10	5	3	2	551	734	1148	6	5	3
460	401.45	225.53	19	10	5	3	2	552	736	1150	6	5	3
461	402.32	226.02	19	10	5	3	2	553	738	1153	6	5	3
462	403.20	226.51	19	10	5	3	2	554	739	1155	6	5	3
463	404.07	227.00	19	10	5	3	2	556	741	1158	6	5	3
464	404.94	227.49	19	9	5	3	2	557	742	1160	6	5	3
465	405.81	227.99	19	9	5	3	2	558	744	1163	6	5	3

Display Dimensions (inches)			Native Resolution (PPI)					Optimal Viewing Distance (inches)			Resolution Perception Thershold (PPI)		
Display Size Diagonal (in)	Display Size Width (In)	Display Size Height (in)	PPI @ UHD 8K	PPI @ UHD 4K	PPI @ HD 1080	PPI @ HD 720	PPI @ SD 480	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle	THX 40-degree viewing angle	SMPTE 30-degree viewing angle	TV Vendors 20-degree viewing angle
466	406.69	228.48	19	9	5	3	2	559	746	1165	6	5	3
467	407.56	228.97	19	9	5	3	2	560	747	1168	6	5	3
468	408.43	229.46	19	9	5	3	2	562	749	1170	6	5	3
469	409.30	229.95	19	9	5	3	2	563	750	1173	6	5	3
470	410.18	230.44	19	9	5	3	2	564	752	1175	6	5	3
471	411.05	230.93	19	9	5	3	2	565	754	1178	6	5	3
472	411.92	231.42	19	9	5	3	2	566	755	1180	6	5	3
473	412.80	231.91	19	9	5	3	2	568	757	1183	6	5	3
474	413.67	232.40	19	9	5	3	2	569	758	1185	6	5	3
475	414.54	232.89	19	9	5	3	2	570	760	1188	6	5	3
476	415.41	233.38	18	9	5	3	2	571	762	1190	6	5	3
477	416.29	233.87	18	9	5	3	2	572	763	1193	6	5	3
478	417.16	234.36	18	9	5	3	2	574	765	1195	6	4	3
479	418.03	234.85	18	9	5	3	2	575	766	1198	6	4	3
480	418.90	235.34	18	9	5	3	2	576	768	1200	6	4	3
481	419.78	235.83	18	9	5	3	2	577	770	1203	6	4	3
482	420.65	236.32	18	9	5	3	2	578	771	1205	6	4	3
483	421.52	236.81	18	9	5	3	2	580	773	1208	6	4	3
484	422.39	237.30	18	9	5	3	2	581	774	1210	6	4	3
485	423.27	237.79	18	9	5	3	2	582	776	1213	6	4	3
486	424.14	238.28	18	9	5	3	2	583	778	1215	6	4	3
487	425.01	238.77	18	9	5	3	2	584	779	1218	6	4	3
488	425.89	239.26	18	9	5	3	2	586	781	1220	6	4	3
489	426.76	239.75	18	9	4	3	1	587	782	1223	6	4	3
490	427.63	240.24	18	9	4	3	1	588	784	1225	6	4	3