

Relative Screens Sizes for Videoconference Rooms

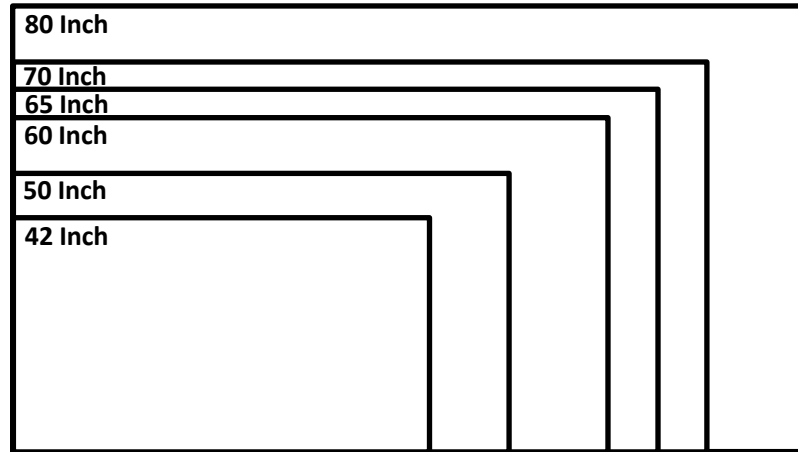


Video Conferencing Screen Size Calculations								
	Inches			Millimeters				
	Diagonal	Horizontal	Vertical	Diagonal	Horizontal	Vertical		
Basic Screen Sizes	42	36.6	20.6	1067	930	523		
	50	43.6	24.5	1270	1107	623		
	55	47.9	27.0	1397	1218	685		
	60	52.3	29.4	1524	1328	747		
	65	56.7	31.9	1651	1439	809		
	70	61.0	34.3	1778	1550	872		
	80	69.7	39.2	2032	1771	996		
Single Wide Size with 3/4" Bezel	42	38.1	22.1	1067	968	561		
	50	45.1	26.0	1270	1145	661		
	55	49.4	28.5	1397	1256	723		
	60	53.8	30.9	1524	1366	785		
	65	58.2	33.4	1651	1477	848		
	70	62.5	35.8	1778	1588	910		
	80	71.2	40.7	2032	1809	1034		
Double Wide Size with 3/4" Bezel	42	76.2	22.1	1067	1936	561		
	50	90.2	26.0	1270	2290	661		
	55	98.9	28.5	1397	2511	723		
	60	107.6	30.9	1524	2733	785		
	65	116.3	33.4	1651	2954	848		
	70	125.0	35.8	1778	3176	910		
	80	142.5	40.7	2032	3618	1034		
Triple Wide Size with 3/4" Bezel	42	114.3	22.1	1067	2904	561		
	50	135.2	26.0	1270	3435	661		
	55	148.3	28.5	1397	3767	723		
	60	161.4	30.9	1524	4099	785		
	65	174.5	33.4	1651	4431	848		
	70	187.5	35.8	1778	4763	910		
	80	213.7	40.7	2032	5427	1034		
Percentage Area		42	50	55	60	65	70	80
	42	100%	142%	171%	204%	240%	278%	363%
	50		100%	121%	144%	169%	196%	256%
	55			100%	119%	140%	162%	212%
	60				100%	117%	136%	178%
	65					100%	116%	151%
	70						100%	131%
80							100%	

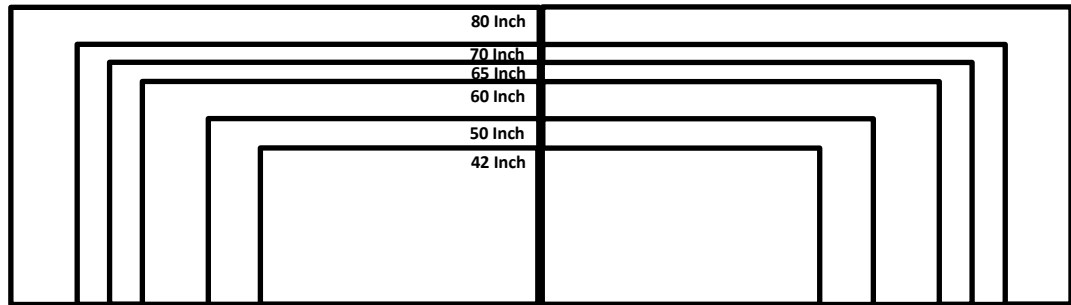
Viewing Distance Calculations for Different Screen Sizes															
	Screen Size Inches			SMPTE 30 Degree = 1.6 X Diag				SMPTE 60 Degree = 0.74 X Diag				THX 40 Degree = 1.17 X Diag			
	Diagonal	Horizontal	Vertical	Inches	Feet	Millimeters	Meters	Inches	Feet	Millimeters	Meters	Inches	Feet	Millimeters	Meters
Basic Screen Sizes	42	36.6	20.6	67.2	5.6	1706.9	1.7	30.975	2.6	786.8	0.8	49.14	4.1	1248.2	1.2
	50	43.6	24.5	80	6.7	2032.0	2.0	36.875	3.1	936.6	0.9	58.5	4.9	1485.9	1.5
	55	47.9	27.0	88	7.3	2235.2	2.2	40.5625	3.4	1030.3	1.0	64.35	5.4	1634.5	1.6
	60	52.3	29.4	96	8.0	2438.4	2.4	44.25	3.7	1124.0	1.1	70.2	5.9	1783.1	1.8
	65	56.7	31.9	104	8.7	2641.6	2.6	47.9375	4.0	1217.6	1.2	76.05	6.3	1931.7	1.9
	70	61.0	34.3	112	9.3	2844.8	2.8	51.625	4.3	1311.3	1.3	81.9	6.8	2080.3	2.1
	80	69.7	39.2	128	10.7	3251.2	3.3	59	4.9	1498.6	1.5	93.6	7.8	2377.4	2.4

Comparative Screen Sizes and Distances and Room Layouts

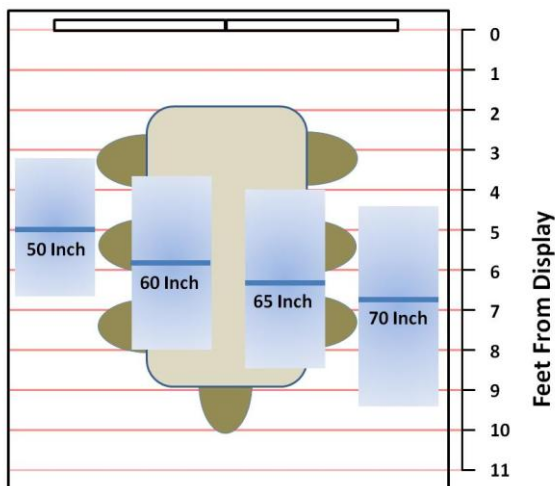
Single Screens



Dual Screens



12x11 Room Layout



Notes

- Blue Box represents optimal viewing range for each size display.
- Closest distance is 60 degree viewing angle.
- Farthest distance is 30 degree viewing angle.
- Solid blue line is at HX optimal angle of 40 degrees.

14x11 Room Layout

