



## LCD Resolution Guide

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Resolution	Known As	Pixel Format	# of Pixels	Display Aspect Ratio
QVGA	Quarter Video Graphics Array	320 × 240	76,800	4:3
WQVGA	Wide Quarter Video Graphics Array	400 × 240	96,000	5:3
WQVGA	Wide Quarter Video Graphics Array	480 × 234	112,320	5:3
HVGA	Half Video Graphics Array	640 × 240	153,600	16:5
nHD	Nano High Definition	640 × 360	230,400	16:9
VGA	Video Graphics Array	640 × 480	307,200	4:3
WVGA	Wide Video Graphics Array	800 × 480	384,000	5:3
SVGA	Super Video Graphics Array	800 × 600	480,000	4:3
QFHD	Quarter Full High Definition	960 × 540	518,400	16:9
WSVGA	Wide Super Video Graphics Array	1024 × 600	614,400	16:9
Apple	iPhone 4S	960 × 640	614,400	3:2
Apple	iPhone 5 Retina display	1136 × 640	727,040	16:9
XGA	Extended Graphics Array	1024 × 768	786,432	4:3
WXGA	Wide Extended Graphics Array	1280 × 768	983,040	16:10
XGA+	Wide Extended Graphics Array Plus	1152 × 864	995,328	16:10
WXGA	Wide Extended Graphics Array	1280 × 800	1,024,000	16:10
WXGA	Wide Extended Graphics Array	1366 × 768	1,049,088	16:9
WXGA+	Wide Extended Graphics Array Plus	1440 × 900	1,296,000	16:9
SXGA	Super Extended Graphics Array	1280 × 1024	1,310,720	5:4
Apple	Power Books	1440 × 960	1,382,400	3:2
HD+	High Definition Plus	1600 × 900	1,440,000	16:9
SXGA+	Super Extended Graphics Array Plus	1400 × 1050	1,470,000	4:3
WSXGA+	Wide Super Extended Graphics Array Plus	1680 × 1050	1,764,000	16:10
UXGA	Ultra Extended Graphics Array	1600 × 1200	1,920,000	4:3
FHD	Full High Definition	1920 × 1080	2,073,600	16:9
WUXGA	Wide Ultra Extended Graphics Array	1920 × 1200	2,304,000	16:10
QWXGA	Quad Wide Extended Graphics Array	2048 × 1152	2,359,296	16:9
Apple	Ipad 3rd Generation	2048 × 1536	3,145,728	4:3
Apple	Pro Retina Displays	2880 × 1800	5,184,000	16:10
QSXGA	Quad Super Extended Graphics Array	2560 × 2048	5,242,880	5:4
QSXGA+	Quad Super Extended Graphics Array Plus	2800 × 2100	5,880,000	4:3
WQSXGA	Wide Quad Super Extended Graphics Array	3200 × 2048	6,553,600	25:16
QUXGA	Quad Ultra Extended Graphics Array	3200 × 2400	7,680,000	4:3
UHD 4K 2160P	Ultra High Definition	3840 × 2160	8,294,400	16:9
WQUXGA	Wide Quad Ultra Extended Graphics Array	3840 × 2400	9,216,000	16:10
UHD 4K 2160P	Ultra High Definition	4096 × 2304	9,437,184	16:9
HXGA	Hex Extended Graphics Array	4096 × 3072	12,582,912	4:3
WHXGA	Wide Hex Extended Graphics Array	5120 × 3200	16,384,000	16:10
HSXGA	Hex Super Extended Graphics Array	5120 × 4096	20,971,520	16:10
WHSXGA	Wide Hex Super Extended Graphics Array	6400 × 4096	26,214,400	25:16
HUXGA	Hex Ultra Extended Graphics Array	6400 × 4800	30,720,000	4:3
UHD 8K 4320p	Ultra High Definition	7680 × 4320	33,177,600	16:9
WHUXGA	Wide Hex Ultra Extended Graphics Array	7680 × 4800	36,864,000	16:10