



What bandwidth amplification do I need when splitting or extending my monitor?

The chart below should help answer that question. There are two factors that mainly affect bandwidth. First, the resolution at which the monitor is to operate must be known (ex. 1024 x 768). Second, the required refresh rate in Hz (ex. 60 Hz), for acceptable display quality must also be known. Both settings are typically user adjustable. Start by selecting the refresh rate and intersect with the proper resolution column.

Approximate Bandwidth Required (MHz)

Refresh Rate	Resolution (Pixels)					
	640 x 480	800 x 600	1024 x 768	1280 x 1024	1600 x 1280	1920 x 1440
50 Hz	20 MHz	33 MHz	54 MHz	89 MHz	140 MHz	189 MHz
60 Hz	25 MHz	39 MHz	64 MHz	107 MHz	168 MHz	226 MHz
70 Hz	29 MHz	46 MHz	75 MHz	125 MHz	196 MHz	264 MHz
80 Hz	34 MHz	52 MHz	86 MHz	143 MHz	224 MHz	302 MHz
90 Hz	38 MHz	59 MHz	97 MHz	161 MHz	252 MHz	340 MHz
100 Hz	42 MHz	66 MHz	107 MHz	179 MHz	280 MHz	377 MHz