

VESA MONITOR TIMING STANDARD

Adopted: 9/10/91 (VESA #900603A)
Resolution: 800 x 600 at 72 Hz (non-interlaced)
EDID ID: DMT ID: 0Ah; STD 2 Byte Code: (45, 4C)h; CVT 3 Byte Code: n/a
BIOS Modes: 102h, 103h, 113h, 114h, & 115h (4, 8, 15, 16, & 24 bpp)
Method: ***** NOT CVT COMPLIANT *****

Detailed Timing Parameters

Timing Name	=	800 x 600 @ 72Hz;		
Hor Pixels	=	800;	// Pixels	
Ver Pixels	=	600;	// Lines	
Hor Frequency	=	48.077;	// kHz	= 20.8 usec / line
Ver Frequency	=	72.188;	// Hz	= 13.9 msec / frame
Pixel Clock	=	50.000;	// MHz	= 20.0 nsec ± 0.5%
Character Width	=	8;	// Pixels	= 160.0 nsec
Scan Type	=	NONINTERLACED;	// H Phase	= 0.4 %
Hor Sync Polarity	=	POSITIVE;	// HBlank	= 23.1% of HTotal
Ver Sync Polarity	=	POSITIVE;	// VBlank	= 9.9% of VTtotal
Hor Total Time	=	20.800;	// (usec)	= 130 chars = 1040 Pixels
Hor Addr Time	=	16.000;	// (usec)	= 100 chars = 800 Pixels
Hor Blank Start	=	16.000;	// (usec)	= 100 chars = 800 Pixels
Hor Blank Time	=	4.800;	// (usec)	= 30 chars = 240 Pixels
Hor Sync Start	=	17.120;	// (usec)	= 107 chars = 856 Pixels
// H Right Border	=	0.000;	// (usec)	= 0 chars = 0 Pixels
// H Front Porch	=	1.120;	// (usec)	= 7 chars = 56 Pixels
Hor Sync Time	=	2.400;	// (usec)	= 15 chars = 120 Pixels
// H Back Porch	=	1.280;	// (usec)	= 8 chars = 64 Pixels
// H Left Border	=	0.000;	// (usec)	= 0 chars = 0 Pixels
Ver Total Time	=	13.853;	// (msec)	= 666 lines HT – (1.06xHA)
Ver Addr Time	=	12.480;	// (msec)	= 600 lines = 3.84
Ver Blank Start	=	12.480;	// (msec)	= 600 lines
Ver Blank Time	=	1.373;	// (msec)	= 66 lines
Ver Sync Start	=	13.250;	// (msec)	= 637 lines
// V Bottom Border	=	0.000;	// (msec)	= 0 lines
// V Front Porch	=	0.770;	// (msec)	= 37 lines
Ver Sync Time	=	0.125;	// (msec)	= 6 lines
// V Back Porch	=	0.478;	// (msec)	= 23 lines
// V Top Border	=	0.000;	// (msec)	= 0 lines