

Screen Plays

Here are the specifics you need for masterful mode maneuvering.

	NTSC	PAL	Euro36	Multiscan	Euro72	DbINTSC	DbIPAL	Super72
HORIZONTAL SCAN (in KHz)	15.72	15.60	15.76*	31.44*	31.43*	29.20*	29.45*	24.62*
VERTICAL SCAN (in Hz)	60	50	73*	60*	70*	59*	50*	72*
GENLOCK COMPATIBLE	Yes	Yes	No	No	No	No	No	No
DISPLAY-ENHANCER COMPATIBLE	Yes ¹	Yes ¹	No ²	No ²	No ²	No ²	No ²	No
HORIZONTAL RESOLUTION (in pixels):								
Lo-res	320	320	320	320	320	320	320	N/A
Hi-res	640	640	640	640	640	640	640	400
Overscan	724	724	724	640	640	676*	676*	448
Super HiRes	1280	1280	1280	N/A	N/A	1280	1280	800
VERTICAL RESOLUTION (in pixels):								
Noninterlaced	200	256	200	480	400	200/400	256/512	300
Interlaced	400	512	400	960	800	800	1024	600
Overscan	482	566	400	990	800	934	1128	628
MAXIMUM COLORS:								
Lo-res palette map.	32	32	32	16	16	256	256	N/A
Lo-res EHB	64	64	64	N/A	N/A	64	64	N/A
Lo-res HAM6	4096	4096	4096	N/A	N/A	4096	4096	N/A
Hi-res palette map.	16	16	16	4	4	256	256	16
Super palette map.	4	4	4	N/A	N/A	256	256	4
AGA palette map.	256	256	256	256	256	256	256	256
AGA HAM8	262,144	262,144	262,144	262,144	262,144	262,144	262,144	262,144

* Scan rates and overscan display sizes for ECS and AGA modes are approximate. Because these modes are totally programmable, figures vary slightly depending on which version of the monitor drivers you are using. Some versions lower the horizontal scan rate slightly in order to get a wider overscan area for such modes as DbINTSC.

¹ If you have a display enhancer, you will need to bypass it when in SuperHiRes mode.

² None of these modes work with MicroWay's original flickerFixer. Some flicker cards bypass 31 KHz modes; some must be disabled manually.

N/A This resolution is not available in this mode.

bat flicker without requiring a special monitor. The Euro36 and Super72 modes redraw the screen 70 times a second instead of the normal 60 times (50 in PAL format). This does not eliminate flicker altogether, but does make it much less noticeable. Super72 makes some trade-offs between horizontal and vertical resolution to give you a screen size that is 800x600 interlaced, but it works only with a Commodore 1960 monitor or its equivalent.

Increasing the refresh rate to 70 Hz reduces flicker, but also reduces the maximum screen size. In general, modes with a lower refresh rate can display more lines. The European PAL mode, for example, which refreshes at the lower 50 Hz rate, has 256 lines in non-interlaced mode, compared to the 200 lines you get with the 60 Hz NTSC display used in the US. Under Workbench 2.0 and higher, of course, American users can switch to PAL mode for more lines, while Euro- ▶