

Super VGA HiRes™ Model 5200-10

Video Graphics Adapter

Features:

- Fully IBM VGA, EGA and MCGA hardware compatible.
- Fully IBM CGA, MDA and Hercules downward compatible.
- CAD Resolution: 1024x768 and 800x600, in 16 colors for Computer-Aided Design and Desktop Publishing.
- Broadcast Quality: 640x480 and 512x512, in 256 colors for Shaded Images and Scanned Input.
- Supports both Analog and TTL monitors.
- Supports up to 80 columns with 66 rows for Word Processing.
- Supports up to 132 columns with 44 rows for Spreadsheets and Databases.
- Includes advanced drivers for AutoCAD, Windows, GEM, Ventura, Framework II, and Lotus 1-2-3.
- Software Diagnostic and Setup Program (SPVGA).
- 512KB of RAM on board, no additional memory required.
- RAMBIOS provides up to four times the graphics performance.



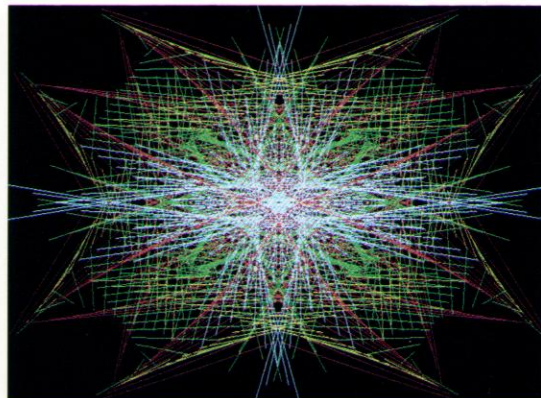
Genoa Systems, the company that invented 800x600 resolution, would now like to introduce the SuperVGA HiRes.

The SuperVGA HiRes offers CAD resolution at the price of a conventional graphics card with 100% IBM Personal System/2 Video Graphics Adapter, VGA compatibility. So you can now run all of your software on a single video card.

The SuperVGA HiRes provides an unprecedented 1024x768 resolution in 16 distinct colors for high resolution business and engineering applications. From the same card, Genoa extends IBM's 256 color game mode to 640x480 and 512x512 resolution to introduce "broadcast quality" to personal computing. "Try to find the dots in our images."

The HiRes is a superset of the basic Genoa SuperVGA card and offers the same popular 800x600 resolution and VGA, EGA, CGA, MDA, and Hercules compatibility. With both analog and TTL monitor connectors, you can choose to upgrade your display when you want to. In all cases, you will see crisp, clear images in the highest resolution available to your computer.

"CAD Resolution" or "Broadcast Quality" — If you want the original design that set the standard in graphics, the Genoa SuperVGA HiRes is the only safe choice.



1024x768 in 16 colors

Specifications:

The SuperVGA HiRes graphics card provides 100% IBM VGA, EGA, CGA, MDA and Hercules compatibility. This card is designed for use with an IBM PC, XT, AT, PS/2 models 25 and 30 and IBM compatible computers.

A nine-pin video connector is provided for use with your TTL monitor. A fifteen-pin video connector is provided for use with your analog monitor. An additional feature connector provides true IBM compatibility.

An IBM 8514 or compatible monitor is recommended to access the extended features of this card. Other displays will provide excellent resolution within the capabilities of the monitor. (Check the tables of the most popular SuperVGA HiRes resolutions for your upgrade path.)

Genoa includes with each SuperVGA HiRes graphics adapter the SPVGA Diagnostic and Setup Program; the ANSI standard driver, GANSI.SYS; and high-performance device drivers for: AutoShade, AutoCAD, Ventura, Windows, GEM, Framework II, and Lotus. The Genoa Systems SuperVGA HiRes carries a one year warranty.

Text formats:

130 columns with 25, 29, 32, or 44 rows.

80 columns with 25, 29, 32, 44, 60, or 66 rows.

SuperVGA HiRes Graphics Mode	Resolution	Colors	Display Emulation Required (See Note below)
High Resolution	1024 x 768	16	IBM 8514 Display
	800 x 600	16	Multifrequency Display
	720 x 512	256	Analog Display
	640 x 480	256	
	640 x 350	256	
VGA	512 x 512	256	
	640 x 480	16	Analog Display
	640 x 480	2	
EGA	320 x 200	256	
	640 x 480	16	Enhanced Color Display
	640 x 350		Monochrome Display
	640 x 350		
CGA	640 x 200	16	Color Display
	320 x 200	16	
	320 x 200	16	
Hercules	640 x 200	2	Color Display
	320 x 200	4	
Hercules	720 x 348		Monochrome Display

Note: An IBM 8514 Display also emulates an analog, Enhanced Graphics, Color and Monochrome displays. A multifrequency display also commonly accepts analog as well as EGA, CGA, and MDA input. An analog display will also serve as an EGA, CGA, or MDA monitor.

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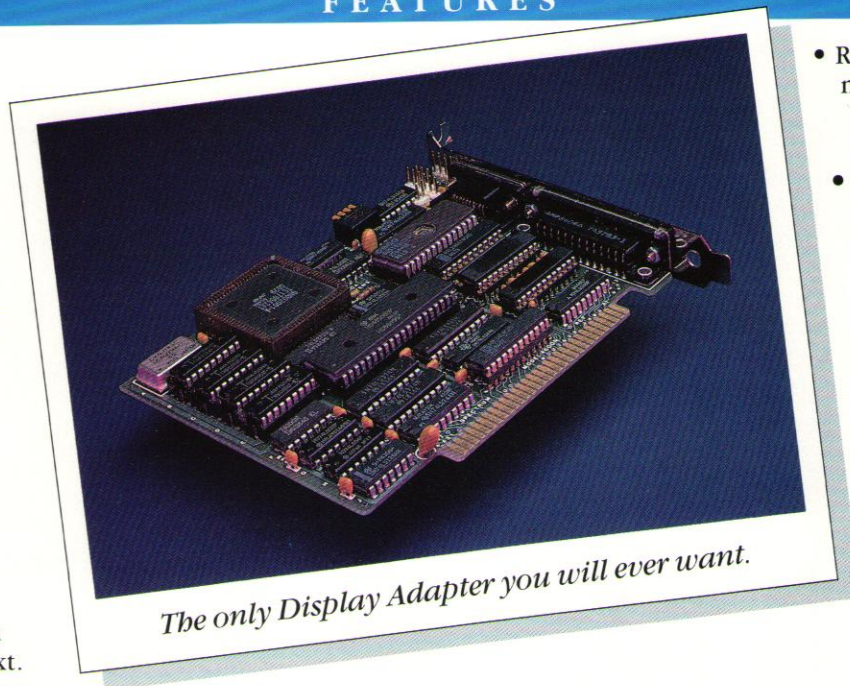
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Spectrum™

COLOR/MONOCHROME/GRAPHICS ADAPTER

FEATURES

- Combines all the features of the IBM Monochrome Display Adapter, the IBM Color Graphic Adapter, Hercules high resolution monochrome emulation and Plantronics 16 color emulation in one board.
- Runs color and monochrome software on either color or monochrome monitors.
- Provides brilliant multicolor graphics and clean high resolution text.
- With exclusive select mode utility.



- Runs color graphics on monochrome monitor in 16 shades with a full size picture.
- Supports Lotus 1-2-3 with both high resolution monochrome and color graphics.
- Supports 132 column text in either color or monochrome.
- Allows diskette free start-up.
- Offers screen memory of 64K bit mapped graphics.
- Light pen interface.
- Printer port.

SPECIFICATIONS

DISPLAY

For IBM Monochrome Monitor or equivalent

IBM Text Mode 80 × 25 (resolution 720 × 350):

Character box 9 × 14.

Character size 7 × 9.

132 Column Text Mode 132 × 44 (resolution 792 × 352):

Character box 6 × 8.

Character size 6 × 6.

132 Column Text Mode 132 × 25 (resolution 792 × 350):

Character box 6 × 14.

Character size 6 × 6.

Hercules Graphics Mode 720 × 348.

Emulation IBM Color Text Mode

80 × 25 (resolution 640 × 350)

or 40 × 25 (resolution 320 × 350):

Up to 16 shades.

Character box 8 × 14.

Character size 8 × 8.

Emulation IBM Color Graphics Modes

320 × 400 or 640 × 400:

Up to 4 shades.

Emulation Plantronics Color Graphics Modes

320 × 400 or 640 × 400:

Up to 16 shades.

For IBM Color Monitor or equivalent.

IBM Color Text Modes 40 × 25 or 80 × 25:

Up to 16 colors.

Character box 8 × 8.

Character size 7 × 7.

IBM Color Graphics Modes 320 × 200 or 640 × 200:

Up to 4 colors.

Plantronics Color Graphics Modes 320 × 200 or 640 × 200:

Up to 16 colors.

132 Column Text Mode 132 × 25 (resolution 792 × 200):

Up to 16 colors.

Character box 6 × 8.

Character size 6 × 6.

DIMENSIONS

4.5 inches × 5.9 inches

CONNECTORS

One D-9 pin connector for RGB and TTL monitors.

One D-25 pin connector for printer port.

Operates at up to 9MHz.



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