MAGNAVOX
PROFESSIONAL

Advanced Design
Computer Displays

MAGNAVOX
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MONOCHROME PC MONITOR

7BM613 PC Monitor 80
• **12" diagonal monochrome TTL input monitor** — designed to be 100% compatible with the IBM spec for monochrome display. • **P39 long persistance green phosphor** — provides a non-flickering soft green display. Same phosphor used in the IBM monochrome monitor. • **Dark glass CRT** — the tube glass used incorporates a special dark material which helps to improve the contrast of the visual image, reducing operator eye strain. • **Non-glare treated faceplate** — the CRT face is treated with a special glare-reducing process which helps eliminate eye fatigue caused by surface reflections. • **1000 lines of resolution (horizontal)** — the number of pixels (picture elements) the monitor system can display. • **Built-in tilt stand** — allows the user to adjust the viewing angle to suit personal preference. • **Two year parts and labor warranty** — solid evidence that this is a reliable product, nationally supported by Magnavox.
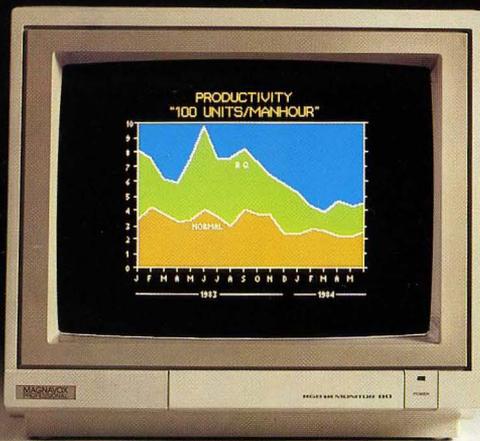
7BM623 PC Monitor 80
• **12" diagonal monochrome TTL input monitor** — designed to be 100% compatible with the IBM spec for monochrome display. • **Long persistance LA amber phosphor** — provides an easy-on-the-eyes amber-on-gray image — easier for the eyes to see, produces less user fatigue. **Dark glass CRT** — the tube glass used incorporates a special dark material which helps to improve the contrast of the visual image, reducing operator eye strain. • **Non-glare treated faceplate** — the CRT face is treated with a special glare-reducing process which helps eliminate eye fatigue caused by surface reflections. • **1000 lines of resolution (horizontal)** — the number of pixels (picture elements) the monitor system can display. • **Built-in tilt stand** — allows the user to adjust the viewing angle to suit personal preference. • **Two year parts and labor warranty** — solid evidence that this is a reliable product, nationally supported by Magnavox.
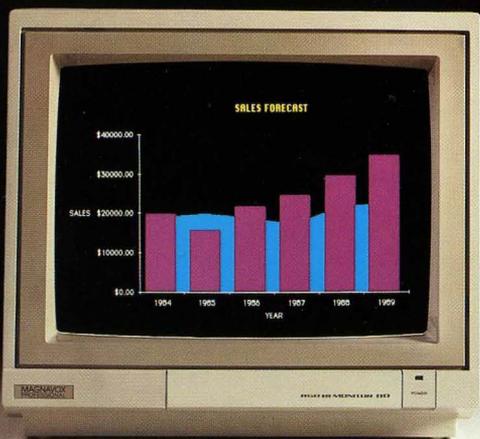

MONOCHROME PC MONITOR

RGB MONITOR

8CM515 RGB Monitor 80
• **17% larger screen than standard 12" monitors** — the 14" tube (13" viewable diagonal) provides larger screen size without an appreciably larger footprint. • **RGB TTL, RGB Analog, Composite Video inputs** — make this monitor compatible with all three standard video signal types — features a separate input port for each type of signal. • **Autosync circuitry** — automatically configures the monitor to accept composite or positive/negative sync signals. • **Green raster display switch** — emulates monochrome performance for text intensive applications. • **Etched faceplate** — the CRT face is treated with a special glare-reducing process to help eliminate eye fatigue caused by reflections. • **Dark glass CRT** — the tube glass used in this product incorporates a special dark background material which helps to improve image contrast and reduce operator eye strain. • **640 dots of resolution (horizontal)** — in RGB, the monitor system will display 640 dots of image resolution on each scan line, the minimum number required to display 80 characters. • **Built-in tilt stand** — allows the user to adjust the viewing angle to suit personal preference. • **Two year parts and labor warranty** — solid evidence that this is a reliable product, nationally supported by Magnavox.
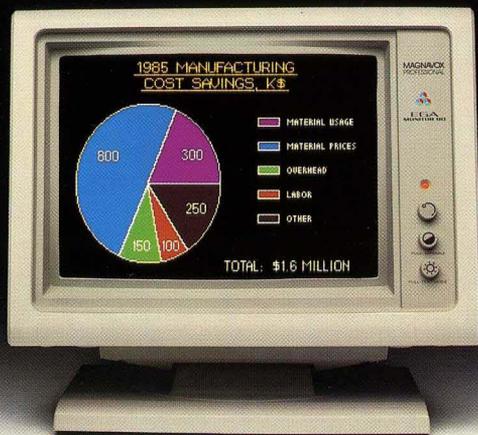

RGB MONITOR

8CM643 RGB Monitor 80 Plus
• **17% larger screen than standard 12" monitors** — the 14" tube (13" viewable diagonal) provides larger screen size without an appreciably larger footprint. • **RGB TTL, RGB Analog, Composite Video inputs** — make this monitor compatible with all three standard video signal types. • **Green raster display switch** — emulates monochrome performance for text intensive applications. • **Dark body CRT** — the tube glass used in this product incorporates a special dark background material which helps to improve image contrast and reduce operator eye strain — a feature normally found on more expensive products. • **690 dots of resolution (horizontal)** — in RGB, the monitor system will display 690 dots of image resolution on each scan line, more than the minimum number required to display 80 characters. • **Displays 2000 characters, 80×25** this monitor system will display 25 lines of 80 characters each. • **Comb filter on composite input** — when used with a composite input signal, the monitor's comb filter improves the resolution quality of the visual image. • **Image size and position controls** — these controls allow the user to adjust both the size and position of any image displayed on the CRT, assuring compatibility with computer and other video devices. • **Built-in tilt stand** — allows the user to adjust the viewing angle to suit personal preference. • **Two year parts and labor warranty** — solid evidence that this is a reliable product, nationally supported by Magnavox.
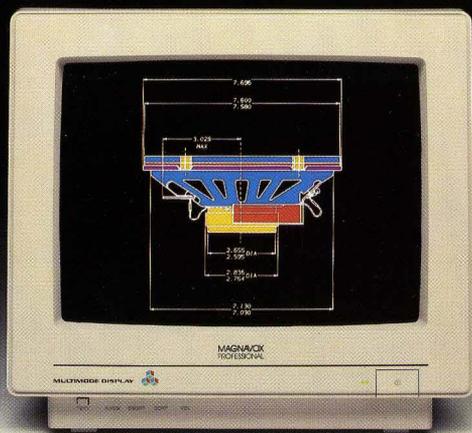
RGB MONITOR

8CM540 EGA Monitor 80

• **Full compatibility with IBM EGA card or Equivalent** — the EGA (Enhanced Graphics Adapter) card is the industry standard for high performance business graphics, and features downward compatibility for use with older software supporting the Color Graphics Adapter (CGA) system. • **High contrast CRT** — this special 14" (13" viewable diagonal) CRT provides tack-sharp text and graphics images, in an area 17% larger than standard 12" monitors. • **Glare-reducing etched glass tube face** — the CRT face is treated with a special chemical process to help eliminate eye fatigue caused by light reflections. • **64 color capability in Enhanced Graphics mode** — The EGA system provides a full 64 color pallette to display your best graphics work. • **16 color capability in Color Graphics mode** — the 8CM540 is fully compatible with the software and hardware base which supports the Color Graphics standard. • **Up to 720 dots resolution (horizontal)** — the fine dot pitch (0.31) and wide bandwidth video amplifier provide more than adequate resolution for display of 80 characters of text. • **Text mode display function in green or amber** — for text-intensive applications, you may switch the monitor into a green-only or amber-only display mode. • **Convenient tilt/swivel base included** — for the maximum in user convenience, a full-function 25° tilt/180° swivel base is included at no extra charge. • **Limited one year parts and labor warranty** — solid evidence that this is a reliable product, supported nationally by Magnavox.
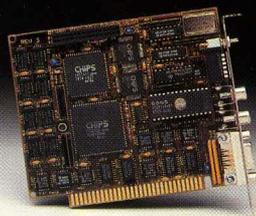
RGB MONITOR

8CM873 Multimode Display

• **Multimode text/graphics design** — permits operational compatibility with virtually all current computer graphics standards. • **Raster scan operation in 3 frequency bands from 15kHz to 34kHz** — the Multimode display is designed to function in 3 frequency bands: 15-17kHz, 21-25kHz and 29-34kHz. Switching between bands is automatic.• **14" tube (13" viewable diagonal)** • **Accepts RGB video in digital or analog form** — to insure compatibility with present and future computer displays, the Multimode display will accept digital (RGBI, TTL, RGBrgb) or analog RGB signals. • **Accepts line level audio signals** — for use with peripherals which generate sound, the Multimode is equipped with an audio input, speaker and headphone jack. • **Image resolution of up to 926 dots (horizontal)** — an ultra-fast video amplifier in the Multimode display, coupled with a fine pitch CRT, provides up to 926 pixels of display per scan line. • **Green text mode display switch** — for text intensive applications, you may switch the monitor into a green-only display mode. • **Convenient tilt/swivel base available** — for the maximum in user convenience, a full-function 25° tilt/180° swivel base is available. • **Limited one year parts and labor warranty** — solid evidence that this is a reliable product, supported nationally by Magnavox.

8AV480 Multires Display Card

Full compatibility with IBM EGA — plus two new higher resolution color graphics modes. Full compatibility with the EGA format assures compatibility with present and future industry standard software. New higher resolution graphics modes can give you up to 37% more image resolution (vertical) than is available on the EGA standard. • **Automatic mode selection for EGA, CGA, Monochrome text and Hercules graphics formats** — in addition to its EGA capabilities, the Magnavox Multires Display Card is downward compatible with software written for the color graphics adapter card, the Monochrome Display Card and the Hercules Graphics Card. The Multires Display Card will automatically switch between these video modes depending upon the demands of the applications software. • **256K video memory** — provide flicker-free scrolling (including split screen EGA), the Multires Display Card comes standard with 256K of video memory. • **All configuration switches accessible from back panel** — for the maximum in user convenience, all default mode and monitor type configuration switches are accessible from the computer's back panel. • **Limited warranty — 2 years parts and labor** — solid evidence that this is a reliable product, supported nationally by Magnavox.

DISPLAY CARD

SWIVEL BASES

7AV203 Tilt/swivel base for **Monochrome models 7BM613/7BM623** and **7AV202 Tilt/swivel base** for **RGB models 8CM515/8CM642** — both mount to the bottom of the monitor without tools and provide 180° lateral swivel and 25° vertical tilt. Includes LCD clock with time and date functions.

SPECIFICATIONS

FEATURE	7BM613	7BM623	8CM515	8CM643	8CM540	8CM873
Type	Mono	Mono	CGA Color	CGA Color	EGA Color	Multiscan System
Screen Size	12"	12"	14" (13V)	14" (13V)	14" (13V)	14" (13V)
Screen Phosphor	P39 Green	LA Amber	P22 Etched tube	P22 Dark tube	P22 Etched Dark tube	P22 Etched Dark tube
Input Signals	IBM TTL	IBM TTL	RGB TTL RGB Analog Composite	RGB TTL RGB Analog Composite	IBM EGA RrGgBb TTL Level	RGB TTL RGB Analog RrGgBb
Image Resolution (H×V)	1000×350	10000×350	640×240	690×240	720×350	Up to 926×580
Dot Pitch	N/A	N/A	.42mm	.39mm	.31mm	.31mm
Bandwidth	24MHZ	24MHZ	12MHZ	14MHZ	18MHZ	25MHZ
Scan Rate	18432 Hz-H 50 Hz-V	18432 Hz-H 50 Hz-V	15750 Hz-H 60 Hz-V	15750 Hz-H 60 Hz-V	15750/21850 Hz-H 60Hz-V	15.7-34KHZ-H 50-63 Hz-V
Display Colors	Green	Amber	16/infinite	16/infinite	16/64	16/64/infinite
Green Text Switch	N/A	N/A	Yes	Yes	Green/Amber	Yes
Fold-Out Stand Included	Yes	Yes	Yes	Yes	Tilt/Swivel Base	No
Comb Filter	N/A	N/A	Yes	Yes	N/A	N/A
Audio Input	No	No	Yes	Yes	No	Yes
Image/size Controls	Yes	Yes	Yes	Yes	Yes	Yes
CPU Cables Included	IBM	IBM	Composite and RGB	Composite and RGB	IBM EGA	IBM EGA
Dimensions (H×W×D)	11×12×11½	11×12×11½	12½×13¾×15	12½×13¾×15	12×15¾×16½	13×14¼×15
Weight	14 lbs.	14 lbs.	24 lbs.	24 lbs.	31 lbs.	29 lbs.

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Smart. Very smart.