

The Terak 8604 Color Display is the primary input/output peripheral for the Terak Model 8600 Color Graphics Computer System. The 8604 includes a high resolution (0.31 mm dot pitch), in-line gun color monitor, interface logic for various display peripherals and a set of user controls. The 8604 includes a vacuum deposited, fused glass anti-glare, contrast enhancement optical filter to provide a clear, sharp image, reduce glare and minimize eye fatigue. The 8604 and its attached peripherals may be placed at a maximum distance of up to twenty-five feet from the Model 8600 Display Electronics Unit. The 8604 power is remotely controlled from the 8600 for ease of operation.

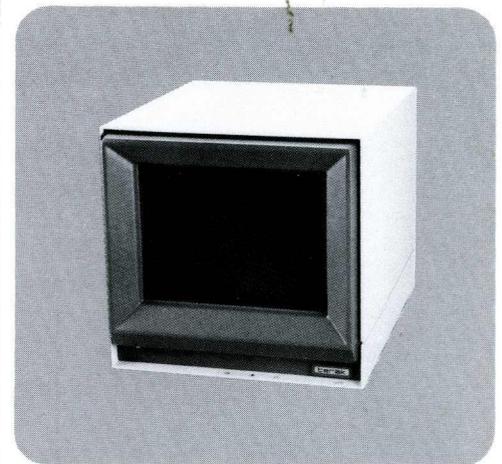
The 8604 Color Display provides EIA STD RS-170 RGB (Red, Green, Blue) composite video outputs for chaining to other external monitors. An internal speaker provides audible alarm or prompting capability. External user controls are available for brightness, contrast and speaker volume.

SPECIFICATIONS

User Interface	User accessible controls for brightness, contrast, volume and degauss
Optical filter	Fused glass, multi-layer vacuum deposited glass filter
Interconnection	
Input	Four coaxial connectors—Red, Blue, Green (with composite sync) and composite sync. Each input is terminated to 75 ohms.
Output	Four coaxial connectors—Red, Blue, Green (with composite sync) and composite sync. Used to daisy chain to other video devices.
Input/Output	15 pin keyboard connector 20 pin peripheral device connectors 34 pin flat ribbon connector from 8600 Display Electronics Unit for peripheral interconnection 9 pin connector for optional Touchpanel

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GRAPHICS COMPUTER SYSTEM



HARDWARE MODEL 8604

COLOR DISPLAY

terak

Terak Corporation
14151 North 76th Street
Scottsdale, Arizona 85260
602/998-4800

Monitor CRT	0.31 mm dot matrix pitch In-line gun technology Shadow Mask Long Persistence
Aspect Ratio	1:1
Linearity	No point on the raster deviates from its proper position by more than 2% of the raster height
Convergence	Does not deviate more than 0.5 mm from optimum in a centrally located CRT screen area bounded by a circle of a diameter equal to the CRT screen height. Elsewhere, does not deviate from optimum more than 0.8 mm.
Video Input	EIA RS 170 - RGB 15.750 KHz horizontal scan rate 525 vertical line format
Power Requirements	
Voltage	110 VAC rms 50Hz/60Hz 220 VAC rms 50Hz/60Hz
Current	2A at 110 VAC 1A at 220 VAC
Physical Dimensions	
Width	15 inches (38.1 cm)
Height	14.4 inches (36.6 cm)
Depth	19 inches (48.2 cm)
Weight	51.0 pounds (23.1 Kg)
Environmental	
Operating Temperature	50° F (10° C) to 167° F (75° C)
Storage Temperature	-40° F (-40° C) to 167° F (75° C)
Relative Humidity	10% to 95%, non-condensing

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