

## ***QES1508 Series*** ***8.4" CRT Replacement Display***

### **Introduction:**

The **QES1508-003** is a rugged, high performance 8.4-inch Active Matrix COLOR TFT LCD monitor, designed as a drop-in replacement for many industrial **9 inch CRT** displays. It's rugged steel chassis is designed to drop into the mounting holes of the original industrial 9-inch CRT, making it unnecessary to replace the original chassis. Its multi-frequency plug & play capability enables this RGB LCD monitor to interface with a wide variety of video formats for easy replacement of your legacy CRT display.

With 15KHz through 68Khz operation, optional TTL video capability, contrast ratios of 350:1 and brightness levels of 220 cd/m<sup>2</sup>, the **QES1508 Series** color LCD TFT display is an excellent choice for many legacy industrial display needs. Standard features such multi-language on-screen display, DDC1/2B Plug and Play, and wide viewing angle capability making this a versatile LCD display.

### **Features:**

- Open Frame Chassis drops into a 9" or 10" CRT mounting holes
- 8.4 inch SVGA Color TFT LCD Module
- Brightness TFT LCD – 220 Nits
- High Contrast – 350:1 Typical
- Heavy Duty Cold Roll Steel Chassis
- Multi-Language On Screen Display
- Universal Power Supply with VESA Power Management
- Strengthened Glass Protection Option
- VGA and SVGA Operation
- TTL Video Input Option for EGA, CGA and MDA
- Wide 15 to 68KHz multi-Frequency operation
- Touch Screen Option
- Universal Video Input Option



## *QES1508 Specifications*

Size/Technology	8.4 inch SVGA Color TFT LCD Module
Image Size	170.4 mm x 127.8 mm
Pixel Pitch	0.213 mm x 0.213 mm
Back Light	20,000 Hours Typical
Viewing Angle (h/v)	60°(R) - 60°(L) / 60°(U)- 40°(L)
Contrast Ratio	350:1 Typical
Brightness (typ)	220 cd/m <sup>2</sup>
Response Time (typ)	10 mSec Rising – 10 mSec Falling
Colors	262K Colors – 6 Bits
Supported Video Formats	640 x 400 @ 85Hz 640 x 480 @ 60/72/75/85Hz 720 x 400 @ 70/85Hz 800 x 600 @ 56/60/72/75/85Hz - Native Resolution Legacy Products 15 to 68KHz Horizontal Freq.
Input Signals	Video: 0.7Vpp @ 75 Ohms Sync: Separate or Composite Sync TTL Level; Sync on Green Video (Positive) 0.7Vpp-Sync (negative) 0.3Vpp Horizontal: 15 to 68KHz; Vertical 50 to 85Hz
Input Interface	HD15 (VGA Analog)- DVI-D
External Connectors	Analog HD15 D-Sub Input; Digital DVI Input:: DC Input.
Power Requirements	100-240VAC 50-60Hz or +12VDC @ 3A
Approvals	FCC, CE, UL
Environmental Temperature: Operating Storage Altitude: Operating Storage	0° to 50°C @ 10-90% R.H. -20° to 60°C @ 10-90% R.H. 0 to 10,000 ft 0-40,000 ft
Mechanical Configuration	Open Frame
Dimensions	7.21" (H) x 8.78" (W) x 1.0" (D) Kit Only
Mounting	8-32's Screws (4)
Bezel	Not Provided by Dynamic Displays
Construction	Heavy Duty Stainless Steel
Weight	5 Lb.
Warranty	Two Year Limited Warranty
Options	Universal Video Input Option Touch Screen: Resistive, Capacitive and SAW Screen Protection from Impact - Strengthened Glass Sunlight Readable RCA (NTSC/PAL) and 5 Pin Mini Din (S-video) Optional TTL Video Input for EGA, CGA and MDA 5 BNC Input (RGB)



*Chassis Provided by Customer*

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