

## ***12.1" Open Frame Monitor*** ***QES1512 - Series***

### **Introduction:**

The QES1512 **12" Open Frame Monitor** series are rugged, high performance **Industrial LCD Monitors**, designed for commercial and industrial applications, such as kiosks, arcade games, ATM Machines, aviation simulators, industrial equipment, and instrumentation equipment.

This **12.1" Industrial LCD Monitor** features a resolution of 800 x 600, contrast ratio of 500:1, brightness of 250cd/m<sup>2</sup> and 262,144 display colors. Also, with 15KHz through 68KHz operation, and optional CGA & EGA TTL video capability, makes this **12" Industrial LCD Monitor** an excellent choice for many industrial process control environments and legacy applications. Other standard features are multi-language on-screen display, DDC1/2B Plug and Play, and wide viewing angle.

This **12" Open Frame Display** uses an Active Matrix COLOR LCD designed to fulfil many **12" CRT Monitor** applications. Its rugged, steel chassis is designed to drop into the mounting holes of the original **12" CRT Monitor**. Its multi-frequency plug & play capability enables this versatile **12.1" Open Frame Display** to interface with a wide variety of video formats for easy replacement for your legacy **12" CRT Monitor**.

### **Features:**

- Drop directly into the mounting holes of the a **12" CRT Monitor**
- 12.1 inch SVGA Color TFT LCD Module
- 15.75 to 68KHz Legacy Timings
- Analog RGB Sync On Green Capable
- RS170 and RS343 Video Input Option
- TTL Input Option for EGA, CGA and MDA
- 3/4/5 Wire BNC Inputs Option
- Anti-Reflective Protective Faceplate Option
- Universal Video Input
- High Contrast – 500:1 Typical
- Strengthened Glass Protection Option
- Sun Light Readable Option
- Touch Screen: Resistive, Capacitive and SAW option



# *12.1" Open Frame Monitor*

## *QES1512 Series*

Size/Technology	12.1 inch SVGA Color TFT LCD Module
Image Size	246.0 mm x 184.5 mm
Pixel Pitch	0.3075 mm x 0.3075 mm
Back Light	50,000 Hours Typical
Viewing Angle (h/v)	70°(R) - 70°(L) / 60°(U)- 50°(L)
Contrast Ratio	500:1 Typical
Brightness (typ)	200 cd/m <sup>2</sup>
Response Time (typ)	10 mSec Rising – 25 mSec Falling
Colors	262K Colors – 6 Bits
Supported Video Formats	AB 30 Console 16.5KHz at 60Hz EGA, CGA, MDA 800 x 600 Native Resolution
Input Signals	TTL Video Input Sync: Separate Sync TTL Level; Horizontal: 15 to 68KHz; Vertical 50 to 75Hz
Input Interface	DB9 Male Pins – TTL Signal
External Connectors	Input Signals and AC Power Input
Power Requirements	100-240VAC 50-60Hz @ 1Amp
Approvals	FCC, CE, UL
Environmental Temperature: Operating Storage Altitude: Operating Storage	-10° to 65°C @ 10-90% R.H. -30° to 70°C @ 10-90% R.H. 0 to 10,000 ft 0-40,000 ft
Mechanical Configuration	Open Frame
Dimensions	9.76" (H) x 11.62" (W) x 1.6"(D) Kit Only
Mounting	6-32's Screws (4)
Construction	Heavy Duty Stainless Steel
Weight	5 Lb.
Warranty	Two Year Limited Warranty
Options	Touch Screen: Resistive, Capacitive and SAW Screen Protection from Impact – Strengthened Glass Front Remote Controls Universal Video Input RS170 and RS343 Video Input RCA (NTSC/PAL) and 5 Pin Mini Din (S-video) TTL Video Input for EGA, CGA and MDA 5 BNC Input (RGB)

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