

## QES1512R-Series Model

Direct Drop in LCD Monitor replacements for legacy 14" CRT Monitors  
QES1512R Series – 14" CRT Monitor Replacement



Dynamic Display now offers an easy and economical 12-inch LCD display solution to replace your obsolete 14" CRT monitor used on a wide variety of legacy CNC machines like: **ACT KERN, AEG Viewmaster 200, Agie, BOSCH, Charmilles, Cincinatti Milacron, Cybele, Deckel, Display 20000, Eaton, ECS, Engel, Fagor, Fanuc, Gildemeister, Grunding, Heller, Hitachi, Hitachi CNC control, Hitachi Erodiermaschine, Hitachi Seiki, KME, Krauss-Maffei, Krones, Lucius & Baer, Matsushita CNC monitor, Mazak, Mitsubishi, Mitsubishi Monitor, NUM, Okuma, Omni Vision, Philips, Sanyo, Selti Elettronica, Siemens, Siemens Sinumerik, Sodick, Unipo, Xycom, Yamazaki CNC machine.**

Our new 12-inch LCD replacement monitors are ruggedly constructed and designed to be fitted on the brand-name legacy monitors used in most industrial monitor applications.

For the past several years, we've concentrated on finding ways to replace hard-to-find legacy CRT monitors with our own LCD display monitor solutions. We now manufacture LCD display solutions for a wide range of CNC Machine Tools, Factory Automation, Process Control and other legacy manufacturing systems:

- **CNC Machine Tools:** Injection Molding, Milling Machine, Turning Machine, EDM.
- **Factory Automation:** Automotive Automation, Food Processing, Packing, Textile.
- **Process Control:** Power Plants, Chemical, Oil & Gas, Pulp & Paper, Mining.

Our rugged, industrial-grade 12.1" Open Frame Display uses a high resolution Active Matrix COLOR LCD with a viewable screen large enough to fulfill many 14" CRT Monitor applications. Its rugged, steel chassis is designed to drop into the mounting holes of the original 14" CRT Monitor.

No matter how old and/or complicated your unique CRT replacement problem for your CNC machine or factory automation equipment might seem to you, we assure you that we have an easy and economical solution for your legacy monitor requirements.

### Features:

- Drop directly into the mounting holes of the a 14" CRT Monitor
- 12.1 inch SVGA Color TFT LCD Module
- 15.75 to 68KHz Legacy Timings
- Universal Power Supply with VESA Power Management
- TTL Input Option for EGA, CGA and MDA
- High Contrast – 500:1 Typical
- Analog RGB Sync On Green Capable
- Anti-Reflective Protective Faceplate Option
- RS170 and RS343 Video Input Option
- Touch Screen: Resistive, Capacitive and SAW option



14" Original CRT chassis retrofit with a Dynamic Display 12.1 LCD Frame. Chassis supplied by customer.

## *QES1512R Series Specifications*

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	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	20 Pins – Honda Connector Part Number MR-20M – TTL Signal Molex Part Number: 03-06-2151 – TTL Signal DB9 Male Pins or DB15 Male Pins – TTL Signal HD15 (VGA Analog) - DVI-Digital
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	Drop directly into the mounting holes of the a 14" CRT Monitor
Dimensions	10.075" (H) x 12.76" (W) Kit Only
Mounting	8-32's Screws (4)
Construction	Heavy Duty Stainless Steel
Weight	5 Lb.
Warranty	Two Year Limited Warranty



*Dynamic Display 12.1 LCD Frame back view*

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