

**Allen Bradley CNC Monitor 8520-CRTC**  
**12" Color CRT Monitor**  
**Allen Bradley 9/230, 9/260, 9/290 & 9/440 CNC Series Machine**  
**System Catalog Number: 8520-DSP-EXEC1-L31M**

Dynamic Display's QES1512-050 is a 12.1 inch LCD **Allen Bradley retrofit monitor** designed to be a drop-in replacement display for **Allen Bradley 8520-CRTC Monitor**.

Its rugged, steel chassis is designed to mount into the original CRT mounting holes of the **12" Color CRT Monitor (Catalog # 8520-CRTC)** used in **Allen Bradley 9/260, 9/290 & 9/440 Series CNC Machine** systems, making it unnecessary to replace the original chassis. The video input of the QES1512-050 **Allen Bradley retrofit monitor** accepts analog video signals from the original **Allen Bradley 9 Series CNC Machine** system with no need for signal adapters of any sort. The QES1512-050 **Allen Bradley Retrofit Monitor** has been optimized to operate on these legacy systems.

This 12.1" Industrial LCD Monitor features a resolution of 800 x 600, contrast ratio of 500:1, brightness of 250cd/m2 and 262,144 display colors. Also, with 15KHz through 68KHz operation. Other standard features are multi-language on-screen display, DDC1/2B Plug and Play, and wide viewing angle.

These **Retrofit Allen Bradley Monitors** are more reliable and perform better than the older **12" Color CRT Monitor**, making this LCD monitor an excellent choice for your next **Allen Bradley Monitor Replacement**.



**Features:**

- Open-Frame Chassis drops directly into the **Allen Bradley Plant Floor Terminal 8520-CRTC**
- Rugged steel chassis drops directly into the mounting holes of the a 12" color CRT
- 12.1 inch SVGA Color TFT LCD Module
- Universal Power Supply with VESA Power Management
- RS-422 Input Video - Serial Differential Communications

## *QES1512-050 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
Native Resolution	800 x 600 Pixels
Back Light (Typical)	50,000 Hours
Viewing Angle (H/V)	70°(R) - 70°(L) / 60°(U)- 50°(L)
Contrast Ratio	500:1 Typical
Brightness (Typical)	200 cd/m <sup>2</sup>
Response Time (Typical)	10 mSec Rising – 25 mSec Falling
Colors	262K Colors – 6 Bits
Supported Video Formats	Allen Bradley CNC Monitor 8520-CRTC (24.7KHz @ 54Hz)
Input Signals	Differential TTL Video Input (Differential Digital RGB) Serial Differential Communications RS-422
Video Input Interface	15 Pin D-SUB with Special Wiring on CNC System Required
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	8-32's Screws (4)
Construction	Heavy Duty Stainless Steel
Weight	5 Lb.
Warranty	Two Year Limited Warranty



*12" CRT Display Unit Allen Bradley Model 8520-CRTC*



*12" Flat Panel-Retro-Fit by Dynamic Displays.*

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