

Omni Vision Inc

504 Congress Circ North
Unit B
Roselle, IL 60172

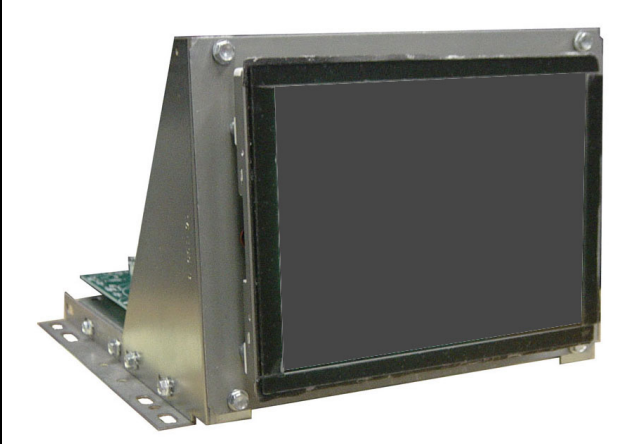

Display Monitor Specialist

Tel: 630-893-1720
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Industrial TFT Color LCD Display Monitors 6.5" Models for Replacement of 7" monochrome CRT

Made in the USA

VGA & TTL (versions)	Model #	
DC Version – open frame with 7" monochrome CRT chassis	MN06A1G0-EG4	Input: +12 vdc

	
Chassis version shown Views (front & rear)	Kit version would include LCD module plus PCB for 10-pin card edge connection

FEATURES

- This chassis version model – mounts exactly in the 7" monochrome chassis mounting hole pattern (see attached drawings 94-008)
- Power and signal applied through standard 7" monochrome CRT 10-pin card edge connector or special customer specified headers
- Standard video displayed is green characters on black background
- User service controls of brightness, contrast, phase, clock, horizontal and vertical size and position, auto set up, etc
- User service controls accessed in rear
- This model responds to special, unique input signal, but also responds to different input signals – 15.7 kHz TTL separate video and sync to 31.5 kHz VGA analog video and TTL separate sync
- Input power flexibility - standard +12 vdc at less than 1.0 Amps
- **RoHS compliant**
- Safety agency compliance - UL, cUL, and others
- Standard model has anti-reflective polycarbonate protective panel that prevents damage to LCD face

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ELECTRICAL & DISPLAY SPECIFICATIONS

Active Matrix	6.5" TFT color LCD (165.1 mm diagonal)
Usable Viewing Area (Size)	5.22" x 3.91" (132.5 x 99.4 mm)
Viewing Angle	Horizontal – right & left 80 degrees Vertical - upper & lower 70 degrees
Dot Pitch	0.207 x 0.207 mm
Max Resolution	640 x 480
Max Colors	16.2 M / 262K colors
Response Time	Rise time – 15 millisec (typical) Fall time – 10 millisec (typical)
Horizontal Frequency	15.7 to 38 kHz
Vertical Frequency	50 to 60 Hz
Brightness (full white)	800 nits
Contrast Ratio	600:1
Input Signal	
TTL to VGA models	Special unique signal plus signals ranging between 15.7 kHz to 31.4 kHz @ 60 Hz thru standard analog 10-pin card edge connector
Temperature	
Operating	-30 to +80 degrees C
Storage	-30 to +80 degrees C

Mechanical Details

<i>TTL and VGA models</i>	Model #	Drawing #
Open frame chassis – drawing 94-008		
DC version	MN06A1G0-EG4	Drawing 94-008

NOTE:

*All drawing show CRT product dimensions.
LCD module mounts in CRT mounting centers.
LCD chassis models mount in CRT chassis mounting centers.
Chassis is same chassis for LCD as for CRT.*