

Omni Vision Inc

504 Congress Circ North
Unit B
Roselle, IL 60172

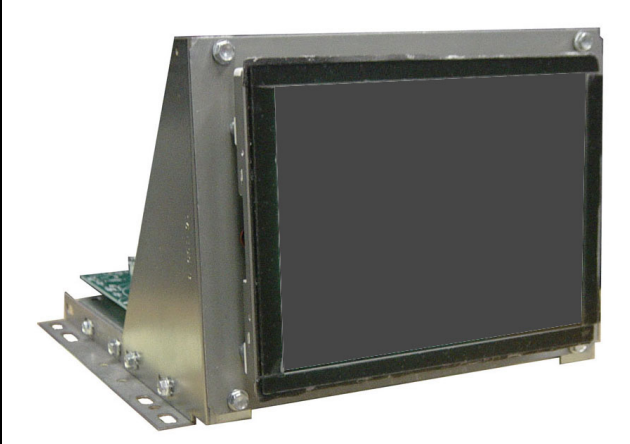

Display Monitor Specialist

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.*