

# Omni Vision Inc

504 Congress Circle N  
Unit B  
Roselle, IL 60172

## Display Monitor Specialist

Tel: 630-893-1720  
FAX: 630-893-9991  
Web: www.omnivisionusa.com  
Email: info@omnivisionusa.com

**Industrial TFT Color LCD Display Monitors**  
**12.1" LCD Chassis Version Model**  
**Replacement for Omni Vision**  
**LP14... series – 14" monochrome CRT**

**Made in the USA**

	Model #	
DC version – with bezel	MN12B1G1-MR1	Input: +12 vdc @ 2 A
AC version – with bezel	MN12B4G1-MR1	Input: 110/220 VAC

### Original LP1415xxx series model



### Replacement LCD model MN12B1G1-MR1 model



Replacement Module for Anilam  
14" monochrome CRT applications



shown with adapter plate &  
10-pin header (0.1" centers)

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### FEATURES

- Same easy to mount open frame, metal chassis as LP14... series monochrome CRT monitors
- Bezel to match CRT curvature
- OSD (On-Screen-Display) user service controls of brightness, contrast, auto set up, etc
- User service controls accessed in rear standard
- Data is displayed as white data on black background
- **RoHS compliant**
- Safety agency compliance - UL, cUL, and others
- Standard model has anti-reflective polycarbonate protective panel attached to face of LCD panel.

### SPECIFICATIONS

<b>Active Matrix</b>	12.1" TFT color LCD (307.3 mm diagonal)
<b>Usable Viewing Area (Size)</b>	9.68" x 7.26" (246.0 x 184.5 mm)
<b>Viewing Angle</b>	Horizontal - right & left 70 degrees Vertical - upper 50 degrees & lower 60 degrees
<b>Dot Pitch</b>	0.3075 x 0.3075 mm
<b>Max Resolution</b>	800 x 600
<b>Max Colors</b>	16.2M/262K colors (262K - RGB 6-bit driver)
<b>Response Time</b>	Rise time - 10 millisecc (typical) Fall time - 25 millisecc (typical)
<b>Horizontal Frequency</b>	31.5 to 54 kHz
<b>Vertical Frequency</b>	56 to 85 Hz
<b>Brightness (full white)</b>	400 nits
<b>Contrast Ratio</b>	600:1
<b>Input Signal</b>	
TTL models	15.7 kHz to 35 kHz @ 50 or 60 Hz separate TTL video, horizontal sync, and vertical sync thru standard analog 15-pin HD mini "D" sub connector
VGA/SVGA models	31.4 kHz to 48 kHz @ 60 Hz standard card analog VGA signal thru caranalog 15-pin HD mini "D" sub connector
<b>Power input</b>	
DC voltage input	Standard +12 vdc @ 2 Amps with option to request models With other DC voltage ranging from 9 volts to 48 volts
AC voltage input	Standard 100-240 VAC auto ranging @ 47 to 63 Hz Thru standard IEC-320 connector or 3-wire AC power cord
<b>Temperature</b>	
Operating	-30 to +85 degrees C
Storage	-30 to +85 degrees C

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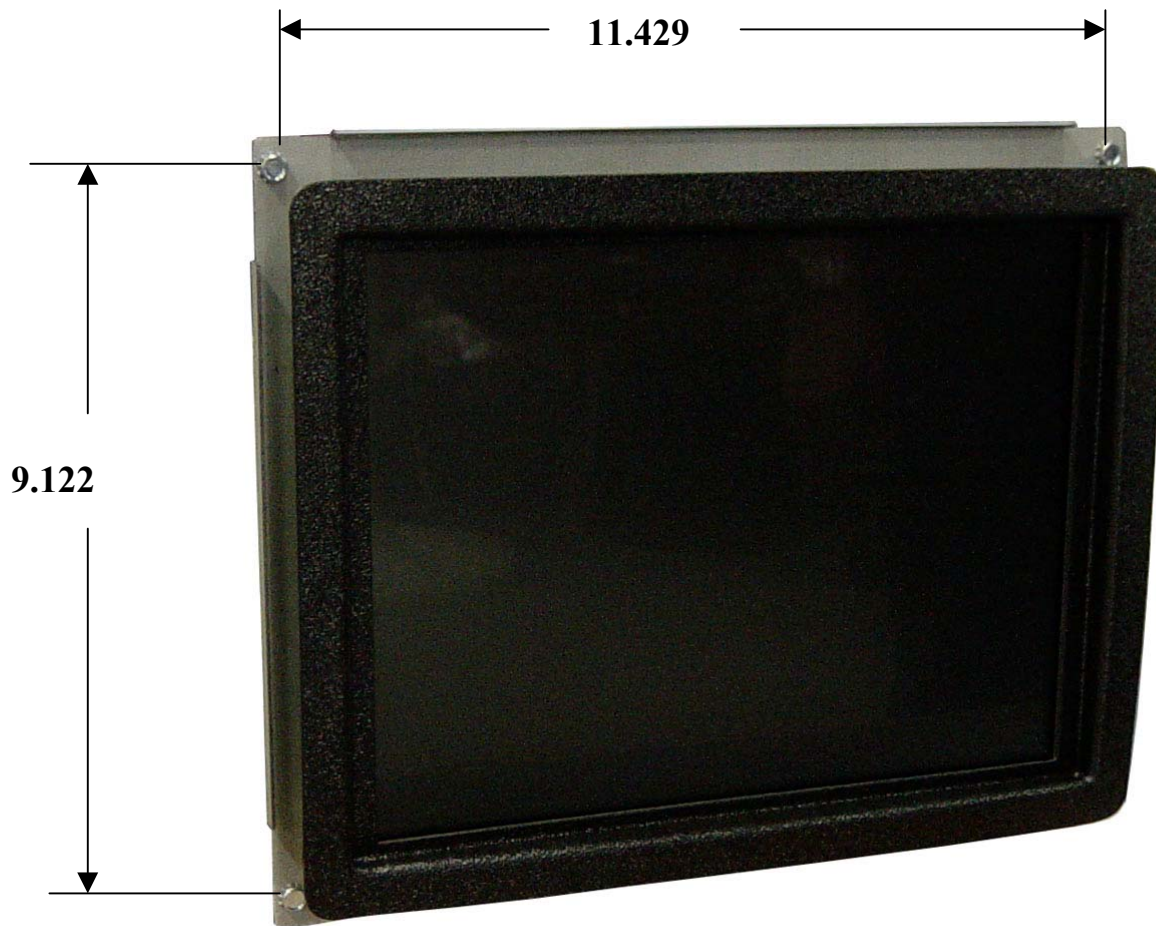
**2000 Bloomingdale Road  
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Glendale Heights, IL 60139**

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### **Mechanical Details**

	<b>Model #</b>	<b>Drawing #</b>
14" monochrome CRT – 0 degree tilt +12 vdc version kit module	MN12B1G1-MR1	See Photo below



**Same mounting dimensions as 14" monochrome CRT  
Shown with plastic CRT curvature matching bezel**