

***Omni Vision Inc***  
**504 Congress Circle North**  
**Unit B**  
**Roselle, IL 60172**

**Display Monitor Specialist**

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**Industrial TFT Color LCD Display Monitors**  
**12.1" Chassis Version Monitor Used In**  
**HURCO SSM ULTIMAX III CONTROLS**

**Made in the USA**

VGA	Model #	Power input
31.5 kHz –48 kHz @ 60 Hz	MN12B1G1-M2	+12 vdc @ 1 amp



**FEATURES**

- Same easy to mount open frame, metal chassis as monochrome CRT monitors
- User service controls of brightness, contrast, auto set up, etc.
- User service controls accessed in rear
- Input signals –VGA/SVGA
- Input signal connector – thru 15 pin female D-Sub connector
- Standard Model Has anti-reflective polycarbonate protective panel attached to face of lcd panel
- Input power flexibility –Standard + 12 v d c
- **RoHS compliant**
- Safety agency compliance - UL

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## 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 50degrees & lower 60 degrees
<b>Dot Pitch</b>	0.3075 x 0.3075 mm
<b>Max Resolution</b>	1078 X 768
<b>Max Colors</b>	16.2M/262K colors (262K-RGB 6-bit driver)
<b>Response Time</b>	Rise time - 10 millisec (typical) Fall time - 25 millisec (typical)
<b>Horizontal Frequency</b>	15.7 to 60 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>	
VGA	31.5 kHz-48 kHz @ 60 Hz thru 15 pin female D-Sub
<b>Power input</b>	
DC voltage input	Standard +12 vdc thru 10 pins-Dual In Line locking header
<b>Temperature</b>	
Operating	0 to +50 degrees C
Storage	-20 to +60 degrees C