

# Omni Vision Inc

2000 Bloomingdale Road  
Units 245-250  
Glendale Heights, IL 60139

## Display Monitor Specialist

Tel: 630-893-1720  
FAX: 630-893-9991  
Web: www.omnivisionusa.com  
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### Industrial TFT Color LCD Display Monitors 12.1" Chassis Version Models

**Made in the USA**

VGA/SVGA & NTSC/PAL	Model #	
DC Version - open frame	DM12B1G0-xx... Series	Input: +12 vdc
AC Version - open frame	DM12B4G0-xx... Series	Input: 110/220 VAC
DC Version - with bezel	DM12B1G0-B1... Series	Input: +12 vdc
AC Version - with bezel	DM12B4G0-B1... Series	Input: 110/220 VAC
DC Version - 19" rack mount	DM12B1G0-R1... Series	Input: +12 vdc
AC Version - 19" rack mount	DM12B4G0-R1... Series	Input: 110/220 VAC



## FEATURES

- Easy to mount open frame, metal chassis (top & bottom flanges or side flanges)
- Options - resistive touch screens with RS232 or USB interface for Windows and other operating systems
- Optional - front mount bezel (panel mount ready) with option for **NEMA rated applications**
- Optional - rack mount (19") panel
- User service controls of brightness, contrast, auto set up, etc
- User service controls accessed in rear standard
- Different models for different input signals - VGA/SVGA and NTSC or PAL
- Input power flexibility - standard +12 vdc at 2.0 Amps, other DC voltages or auto ranging AC power input from 100-240 VAC @ 47 to 63 Hz
- **RoHS compliant**
- Safety agency compliance - UL, cUL, and others
- Standard model has anti-reflective polycarbonate protective

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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 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>	
VGA/SVGA models	31.4 kHz to 48 kHz @ 60 Hz thru standard analog 15-pin HD mini "D" sub connector
NTSC/PAL models	Standard RCA connector or optional BNC adapter
<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

### Mechanical Details

<b>VGA/SVGA &amp; NTSC/PAL models</b>		
<b>Open frame - top &amp; bottom flanges</b>		
DC version	<b>DM12B1G0-02</b>	<b>Drawing 94-514</b>
AC version	<b>DM12B4G0-02</b>	<b>Drawing 94-514</b>
<b>Open frame - side flanges</b>		
DC version	<b>DM12B1G0-03</b>	<b>Drawing 94-515</b>
AC version	<b>DM12B4G0-03</b>	<b>Drawing 94-515</b>
<b>Bezel models (panel mount ready)</b>		
DC version	<b>DM12B1G0-B1</b>	<b>Drawing 94-516</b>
AC version	<b>DM12B4G0-B1</b>	<b>Drawing 94-516</b>
<b>Rack Mount (standard 19" panel)</b>		
DC version	<b>DM12B1G0-R1</b>	<b>Drawing 94-xxx</b>
AC version	<b>DM12B4G0-R1</b>	<b>Drawing 94-xxx</b>