

Omni Vision Inc

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

Display Monitor Specialist

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Industrial TFT Color LCD Display Monitors 8.4" Chassis Version Models

Made in the USA

VGA & NTSC (dual mode)	Model #	
DC Version - open frame	DM08B1G0-xx... Series	Input: +12 vdc
AC Version - open frame	DM08B4G0-xx... Series	Input: 110/220 VAC
DC Version - with bezel	DM08B1G0-B1... Series	Input: +12 vdc
AC Version - with bezel	DM08B4G0-B1... Series	Input: 110/220 VAC
DC Version - 19" rack mount	DM08B1G0-R1... Series	Input: +12 vdc
AC Version - 19" rack mount	DM08B4G0-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 (standard 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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ELECTRICAL & DISPLAY SPECIFICATIONS

Active Matrix	8.4" TFT color LCD (213.4 mm diagonal)
Usable Viewing Area (Size)	6.71" x 5.03" (170.4 x 127.8 mm)
Viewing Angle	Horizontal - right & left 65 degrees Vertical - upper 65 degrees & lower 45 degrees
Dot Pitch	0.213 x 0.213 mm
Max Resolution	800 x 600
Max Colors	262K colors (RGB 6-bit driver)
Response Time	Rise time - 10 millisec (typical) Fall time - 25 millisec (typical)
Horizontal Frequency	31.5 to 54 kHz
Vertical Frequency	56 to 85 Hz
Brightness (full white)	220 nits
Contrast Ratio	500:1
Input Signal	
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
Power input	
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
Temperature	
Operating	0 to +50 degrees C
Storage	-20 to +60 degrees C

Mechanical Details

VGA/SVGA & NTSC/PAL models		
Open frame - top & bottom flanges		
DC version	DM08B1G0-02	Drawing 94-728
AC version	DM08B4G0-02	Drawing 94-728
Open frame - side flanges		
DC version	DM08B1G0-03	Drawing 94-727
AC version	DM08B4G0-03	Drawing 94-727
Bezel models (panel mount ready)		
DC version	DM08B1G0-B1	Drawing 94-730
AC version	DM08B4G0-B1	Drawing 94-730
Rack Mount (standard 19" panel)		
DC version	DM08B1G0-R1	Drawing 94-xxx
AC version	DM08B4G0-R1	Drawing 94-xxx