

Omni Vision Inc

504 Congress Circle N
Unit B
Roselle, IL 60172

Display Monitor Specialist

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Web: www.omnivisionusa.com
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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	DM08B1G1-XX---Series	<u>input</u> : + 12 vdc
AC Version- open frame	DM08B4G1-XX---Series	<u>input</u> : 110/220 VAC
DC Version- with bezel	DM08B1G1-B1---Series	<u>input</u> : +12 vdc
AC Version- with bezel	DM08B4G1-B1---Series	<u>input</u> : 110/220 VAC



FEATURES

- Easy to mount open frame, metal chassis (top & bottom flanges or side flanges)
- Optional-front mount bezel (panel mount ready) with option for [NEMA rated applications](#)
- 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 at 47-63 Hz.
- [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	8.4" TFT color LCD (213.4 mm diagonal)
Usable Viewing Area (Size)	6.71" x 5.03" (170.4 x127.8 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 (262K-RGB 6-bit driver)
Response Time	Rise time – 10 millisec (typical) Fall time – 25 millisec (typical)
Horizontal Frequency	VGA mode 31.5 to 38 kHz / NTSC mode 15.6 to 22 kHz
Vertical Frequency	56 to 85 Hz
Brightness (full white)	200 nits
Contrast Ratio	500:1
Input Signal	
VGA / SVGA models	31.5 kHz to 38 kHz @ 60 Hz Thru standard analog 15 -pin HD mini "D" sub connector
NTSC / PAL models	Standard BNC adapter
Power input	
DC voltage input	Standard +12vdc @ 2 Amps with option to request models with Other DC voltages 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	-30 to +80 degrees C
Storage	-30 to +80 degrees C

Mechanical Details

VGA/SVGA & NTSC/PAL models	Model #	Drawing #
Open frame – Flanges: All Sides		
DC Version	DM08B1G1-01	Drawing 94-728
AC Version	DM08B4G1-01	Drawing 94-728
Open frame – Flanges: Top/Bottom		
DC Version	DM08B1G1-02	Drawing 94-728
AC Version	DM08B4G1-02	Drawing 94-728
Open frame – Flanges: Sides		
DC Version	DM08B1G1-03	Drawing 94-727
AC Version	DM08B4G1-03	Drawing 94-727
Bezel models (Panel Mount Ready)		
DC Version	DM08B1G1-B1	Drawing 94-730
AC Version	DM08B4G1-B1	Drawing 94-730