

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" kit version models

Made in the USA

VGA	Model #	
DC Version- open frame	BZ12B1G1-XX---Series	input : + 12 vdc
AC Version- open frame	BZ12B4G1-XX---Series	input : 110/220 VAC
DC Version- with bezel	BZ12B1G1-B1---Series	input : +12 vdc
AC Version- with bezel	BZ12B4G1-B1---Series	input : 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
- 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	12.1" TFT color LCD (307.4 mm diagonal)
Usable Viewing Area (Size)	9.68" x 7.26" (246.0 x 184.5 mm)
Viewing Angle	Horizontal – right & left 70 degrees Vertical - upper 50 degrees & lower 60 degrees
Dot Pitch	0.3075 x 0.3075 mm
Max Resolution	1024 x 768
Max Colors	16.2 M / 262K
Response Time	Rise time – 10 millisec (typical) Fall time – 25 millisec (typical)
Horizontal Frequency	VGA mode 31.5 to 48 kHz at 60 Hz
Vertical Frequency	56 to 85 Hz
Brightness (full white)	400 nits
Contrast Ratio	600:1
Input Signal	
VGA / SVGA models	31.5 kHz to 48 kHz @ 60 Hz Thru standard analog 15 -pin HD mini "D" sub connector
Power input	Standard +12vdc @ 2 Amps with option to request models with Other DC voltages ranging from 9 volts to 48 volts
DC voltage input	
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	Model #	Drawing #
Open frame – Flanges: All Sides		
DC Version	BZ12B1G1-01	Drawing 94-514
AC Version	BZ12B4G1-01	Drawing 94-514
Open frame – Flanges: Top/Bottom		
DC Version	BZ12B1G1-02	Drawing 94-514
AC Version	BZ12B4G1-02	Drawing 94-514
Open frame – Flanges: Sides		
DC Version	BZ12B1G1-03	Drawing 94-515
AC Version	BZ12B4G1-03	Drawing 94-515
Bezel models (Panel Mount Ready)		
DC Version	BZ12B1G1-B1	Drawing 94-516
AC Version	BZ12B4G1-B1	Drawing 94-516