

# Omni Vision Inc

504 Congress Cir. 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" Chassis Version Model**  
**Replacement for Omni Vision**  
**LP1431PVN-xx model – VGA 14" monochrome CRT**

**Made in the USA**

NTSC monitor	Model #	
AC version - with bezel	FP12B4G1-F6	Input: 110/220 VAC



## FEATURES

- Same easy to mount open frame, metal chassis as LP1431PVN-PW monochrome CRT monitors
- NO Bezel to match CRT curvature
- User service controls of brightness, contrast, auto set up, etc
- User service controls accessed in rear standard
- Data is displayed as black & white.
- Input signals – standard VGA (analog video, TTL sync signals)
- Input signal connector – standard 10-pin header (0.1 inch centers)
- Input power flexibility - AC power input from 100-240 VAC @ 47 to 63 Hz
- Input power connector – AMP Mate-n-Lock, 4-pin
- **RoHS compliant**
- Safety agency compliance - UL, cUL, and others
- Standard model has anti-reflective polycarbonate protective panel attached to face of LCD panel.

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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 millisec (typical) Fall time - 25 millisec (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
<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

	Model #	Drawing #
14" monochrome CRT – 0 degree tilt	FP12B4G1-F6	N/A