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**12.1" LCD**  
**Industrial Monitor**

**14" Color CRT**  
**Model E144C-22 Rev xx**  
**Replacement Module**

**Model FP12B4G0-22**



This Omni Vision 12.1" industrial LCD monitor is a direct drop-in for the Omni Vision model E144C-22 series industrial 14" color, open-frame CRT monitor open frame, assembled in sturdy metal chassis. It is designed to replace the 14" color CRT and it's associated electronics while maintaining high-resolution image requirements of wide-angle viewing and bright light output. This monitor operates as a standard plug-n-play VGA/XVGA monitor in an industrial environment.

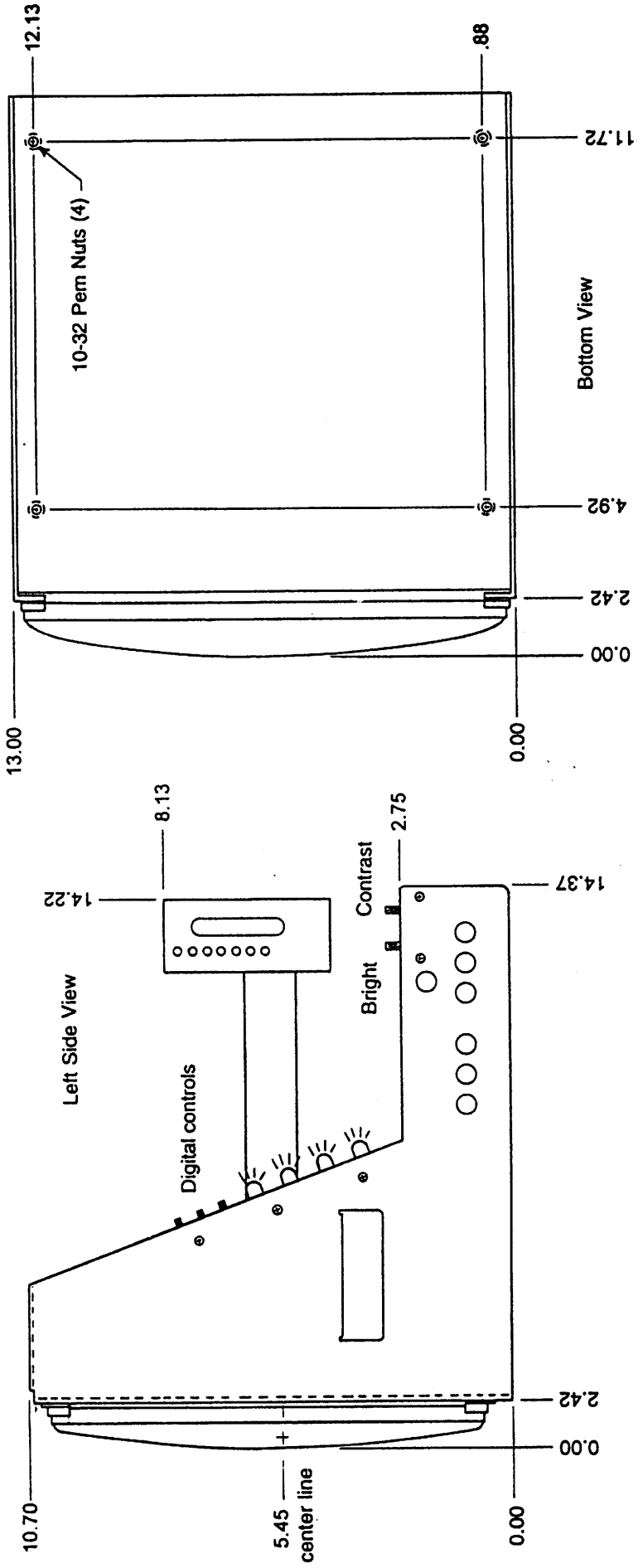
**Display Specification:**

	Original 14" color CRT	New 12.1" color LCD
Diagonal	335 mm	310 mm
Usable viewing area	252 x 190 mm	246 x 184.5 mm
Dot pitch	0.28 mm	0.3075 x 0.3075 mm
CRT curvature	575 mm	0 mm (flat)
Max resolution	1024 x 768 @ 60 Hz	800 x 600 @ 60 Hz
Horizontal frequency	31 to 48 kHz	31.5 to 54 kHz
Vertical frequency	50 to 90 Hz	56 to 85 Hz
Brightness (full white)	32 FL (109 nits)	300 nits (87 FL)
Contrast ratio	Not defined	500:1

**General Specification:**

- Sturdy metal chassis with mounting holes equivalent to Omni Vision 14" color CRT model E144C-22
- Plastic bezel with equivalent 14" color CRT radius of curvature
- User service controls of brightness, contrast, auto set up, etc
- User service controls accessed in rear
- Temperature - Operating from 0 to +55 degrees C  
Storage from -20 to +65 degrees C
- Input Signal Connector - 15 pin mini D-sub
- Input AC Power Connector - IEC 320
- AC Power Range - 90 VAC to 264 VAC (47 Hz to 63 Hz)
- Agency Compliance - UL (UR, cUR) and CB
- RoHS compliant

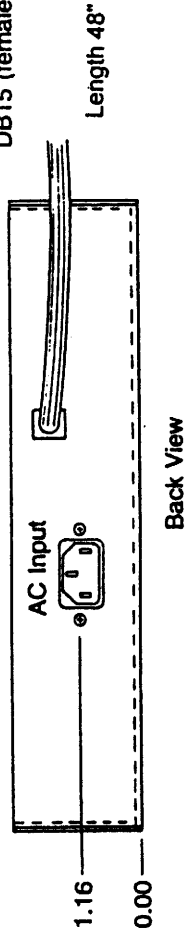
**Low Profile Chassis version E144C-22 replacement is FP12B4G0-22**  
**- for mechanical detail use drawing 94-100**



Dimensions shown are for original color CRT model. LCD version size and shape is same, and all dimensions are same.

Any mechanical configuration and / or mounting is available for your convenience

DB15 (female) for digital controls



OMNI VISION INC	
14" Color Monitor	REV 1
PART NO 94-100	SCALE 1/8" = 1"
	SHEET NO. 1 OF 1