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Unit B
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12.1" LCD Industrial Monitor

14" Color CRT Replacement Monitor for

Fanuc A61L-0001-0074

Fanuc A61L-0001-0096



Model FP12B4G1-Z1A for Fanuc controller series 10 & 11
Model FP12B4G1-Z2A for Fanuc controller series 04 (Amada)
Model FP12B4G1-ZG for Fanuc controller

This Omni Vision 12.1" industrial LCD module drops into sturdy industrial 14" color CRT monitor open frame, metal chassis applications. It is designed to replace the 14" color CRT and its associated electronics while maintaining high-resolution image requirements of wide-angle viewing and bright light output. This monitor is a direct replacement for the Omni Vision E14DC-ZA Rev xx and E14DC-ZG models.

It is designed for replacement applications of a Matsushita model TX 1404 AB (which is commonly found in Fanuc controllers with display module A61L-0001-0074 or A61L-0001-0096). This model has been specifically designed for 25.4 kHz applications, but may operate at other horizontal frequencies between 24 and 31 kHz without reducing quality or reliability of unit.

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	15.7 to 54 kHz
Vertical frequency	50 to 90 Hz	56 to 85 Hz
Brightness (full white)	32 FL (109 nits)	400 nits (87 FL)
Contrast ratio	Not defined	600:1

General Specification:

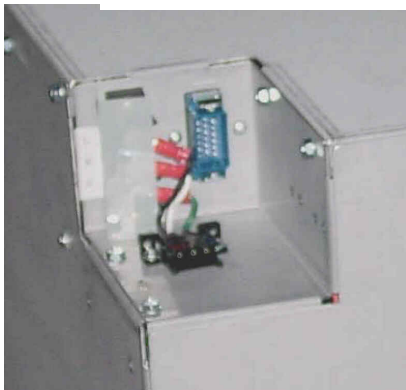
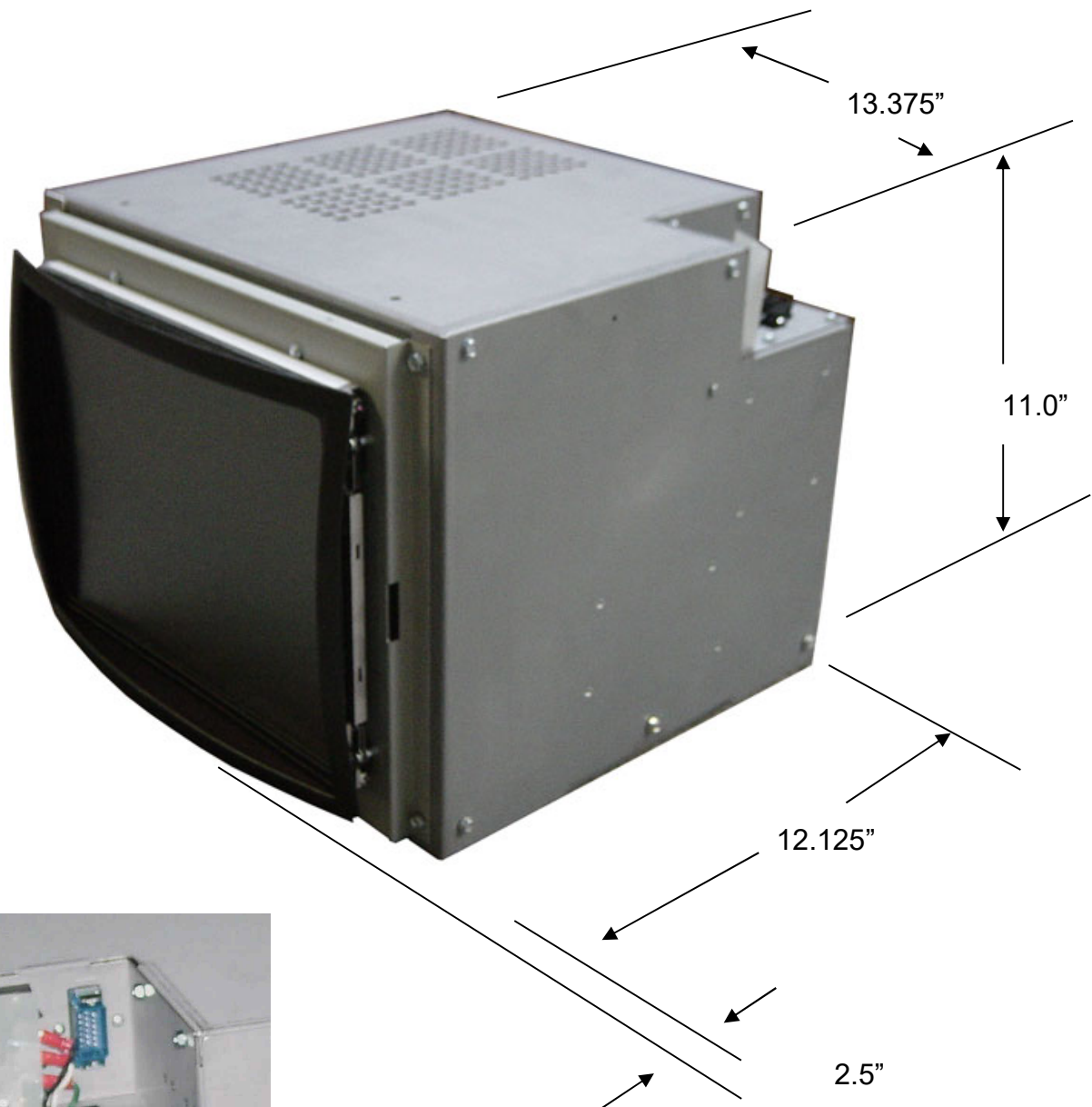
- Sturdy metal chassis with plastic bezel with equivalent 14" color CRT radius of curvature
- Rear access user service controls of brightness, contrast, auto set up, etc (via On-Screen-Display)
- Temperature - Operating from -30 to +85 degrees C
Storage from -30 to +85 degrees C
- Input Signal Connector – depend on model – either version of 20-pin Honda connector
- Input Power Connector - option - barrier strip or 3-pin Burndy connector
- AC Power Range - 90 VAC to 264 VAC (47 Hz to 63 Hz)
- Agency Compliance - UL (UR, cUR) and CE
- RoHS compliant

See attached mechanical details of chassis

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Model FP12B4G0-ZxA
12.1" color LCD replacement of 14" color CRT
Industrial chassis



Mounted in rear:
Signal and power input
Connectors

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Omni Vision signal & power interface information	
Omni Vision Model #	Fanuc model #
FP12B4G0-ZxA	A61L-0001-0074
FP12B4G1-ZxA	A61L-0001-0074
FP12B4G0-ZG	A61L-0001-0096
FP12B4G1-ZG	A61L-0001-0096

Includes –

- Typical Fanuc signal and power input connectors
- Typical, equivalent Fanuc bracket

Photos of power and signal input connectors

FP12B4Gx-ZxA	FP12B4G1-ZG
