

Omni Vision Inc
504 Congress Circle North
Unit B
Roselle, IL 60172

Display Monitor Specialist

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Industrial TFT Color LCD Display Monitors
12.1" kit Version Model – MN12B4G1-B2I
Replacement for 14" TTL Version monochrome CRT
Model no. LP1419B2I

Made in the USA

TTL	Model #	Power input
Horizontal 19.231 Khz and Vertical 47.958 Hz Through 9 pin D-Sub Male	MN10B4G1-B2I OR MN12B4G1-B2I	100-240 VAC



FEATURES

- Same easy to mount open frame, metal chassis as monochrome CRT monitors
- Bezel to match CRT curvature
- User service controls of brightness, contrast, auto set up, etc.
- User service controls accessed in rear
- Input signals –Horizontal Frequency at 19.231 Khz and Vertical at 47.958 Hz
- Input signal connector – thru 9 pin male D-Sub
- Standard Model Has anti-reflective polycarbonate protective panel attached to face of lcd panel
- Input power flexibility –Standard AC 100-240 VAC @ 47 to 63hz
- **RoHS compliant**
- Safety agency compliance - UL, cUL, and others
- Standard panel.

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SPECIFICATIONS

Active Matrix	12.1" TFT color LCD (307.3 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 50degrees & lower 60 degrees
Dot Pitch	0.3075 x 0.3075 mm
Max Resolution	1078 X 768
Max Colors	16.2M/262K colors (262K-RGB 6-bit driver)
Response Time	Rise time - 10 millisecc (typical) Fall time - 25 millisecc (typical)
Horizontal Frequency	15.7 to 60 kHz
Vertical Frequency	56 to 85 Hz
Brightness (full white)	400 nits
Contrast Ratio	600:1
Input Signal	
TTL	Horizontal 19.231 Khz and Vertical 47.958 Hz Through 9 pin D-Sub Male
Power input	
AC voltage input	Standard 100-240 VAC auto ranging @ 47 to 63 hz
Temperature	
Operating	0 to +50 degrees C
Storage	-20 to +60 degrees C

Mechanical Details

	Model #	Drawing #
10.4" LCD monitor	MN10B4G1-B2I	N/A
12.1" LCD monitor	MN12B4G1-B2I	N/A

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