

Omni Vision Inc

504 Congress Circle N
Unit B
Roselle, IL 60172

Display Monitor Specialist

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Industrial TFT Color LCD Display Monitors

10.4" kit version models

Standard 10.4" lcd module for replacement of
12" color CRT

Type	Part Number	Power
DC Version- open frame	FP10B1G1-00 Series - with front bezel	input : + 12 vdc
AC Version- open frame	FP10B4G1-00 Series - with front bezel	input : 110/220 VAC
DC Version- with bezel	FP10B1G1-E7 Series - with no front bezel	input : + 12 vdc
AC Version- with bezel	FP10B4G1-E7 Series - with no front bezel	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	10.4" TFT color LCD (264.1 mm diagonal)
Usable Viewing Area (Size)	8.31" x 6.29" (211.2 x 158.4 mm)
Viewing Angle	Horizontal – right & left 60 degrees Vertical - upper 35 degrees & lower 65 degrees
Dot Pitch	0.264 x 0.264 mm
Max Resolution	800 x 600
Max Colors	262K colors (262K-RGB 6-bit driver)
Response Time	Rise time – 10 millisecc (typical) Fall time – 25 millisecc (typical)
Horizontal Frequency	VGA mode 31.5 to 48 kHz at 60 Hz
Vertical Frequency	56 to 85 Hz
Brightness (full white)	230 nits
Contrast Ratio	500:1
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	
DC voltage input	Standard +12vdc @ 2 Amps with option to request models with Other DC voltages 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
Temperature	
Operating	-30 to +80 degrees C
Storage	-30 to +80 degrees C

Mechanical Details

VGA / SVGA	MODEL NO.	DRAWING NO.
DC VERSION	FP10B1G1-E7	DRG 94-533
AC VERSION	FP10B4G1-E7	DRG 94-533
DC VERSION	FP10B1G1-00	DRG 94-533
AC VERSION	FP10B4G1-00	DRG 94-533