



ITUX97

38.1cm (15.0 inch) UXGA (1600×1200)
Color TFT LCD Module



Highlight:

Features

- UXGA 1600×1200 pixels (1.92M pixels)
- 150cd/m² Typ. Brightness
- Native 262K colors (RGB 6-bit data driver)
- 317.3mm×242.0mm×6.7mm Typ./7.0 Max.
- Using the Post Spacer
- 2.44 times as many pixels as XGA (1024×768)

Applications

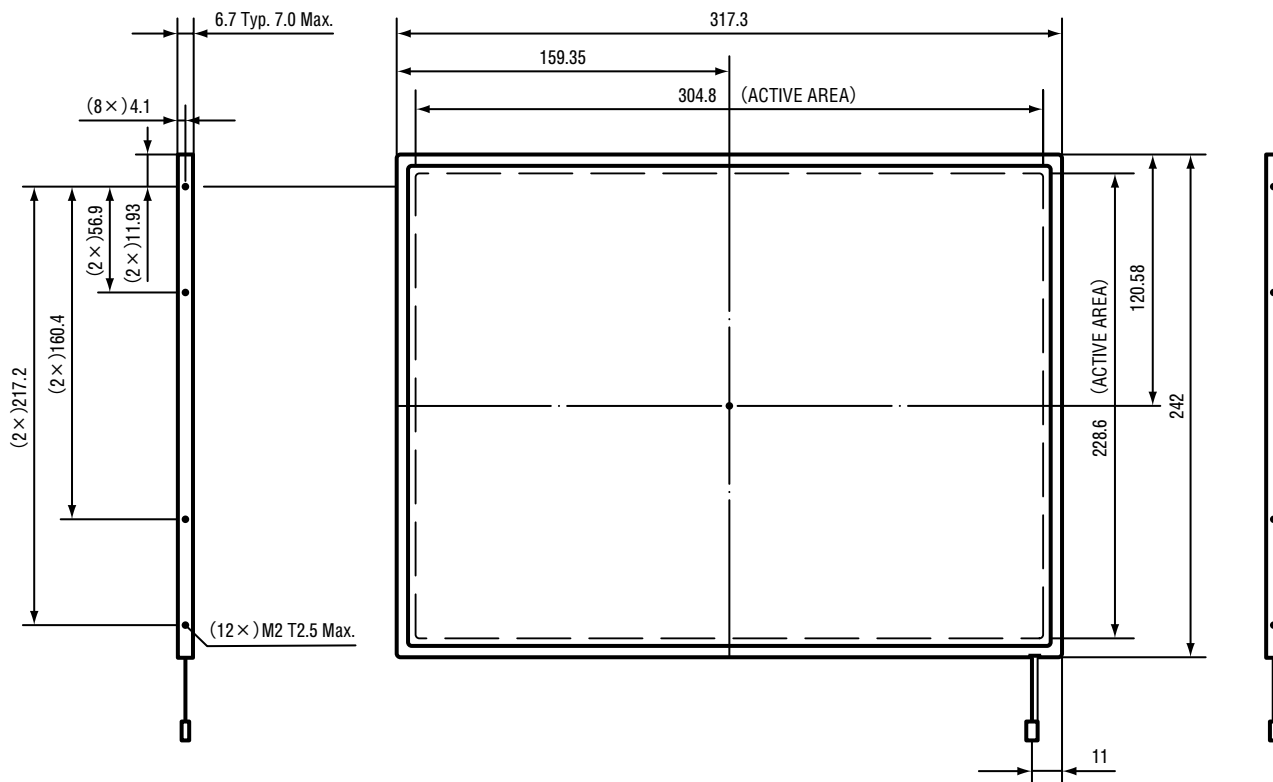
- Notebook PCs
- KIOSK Application
- Measuring Instrument

ITUX97 is a 38.1cm(15.0 inch) color TFT LCD module, and designed for a notebook style personal computer. The screen format and electrical interface are intended to support UXGA (1600×1200) screen. Support color is native 262K colors (RGB 6-bit data driver). All input signals are LVDS (Low Voltage Differential Signaling) interface compatible. Displaying beautiful pictures using the Post Spacer*.

*Post Spacer : Post Spacer is a new technology which keeps a gap between Color filter and TFT array using organic column instead of conventional spacer balls.

Specifications

Screen Diagonal (mm)	381 (15.0 inch)
Active Area (mm)	304.8 (H) × 228.6 (V)
Pixel H×V (pixels)	1600 (×3) × 1200
Pixel Pitch (mm)	0.1905 (per one triad) × 0.1905
Pixel Arrangement	R.G.B. Vertical Stripe
Display Mode	Normally White
White Luminance (cd/m ²)	Center ~ 5 point average
Design Point 1 : (ICFL=3.5mA)	90 Typ. ~ 85 Typ.
Design Point 2 : (ICFL=6.5mA)	150 Typ. ~ 140 Typ.
Contrast Ratio	200 : 1 Typ.
Optical Rise Time/Fall Time (msec)	30 Typ. , 50 Max.
Nominal Input Voltage (volt) (VDD)	+3.3 (+3.0 to +3.6)
Power Consumption (watt) (VDD line)	3.1 Typ. (TBD) , 3.6 Max. (TBD)
Lamp Power Consumption (watt)	(w/o inverter loss)
Design Point 1 : (ICFL=3.5mA)	2.7 Typ. (TBD)
Design Point 2 : (ICFL=6.5mA)	4.4 Typ. (TBD)
Weight (grams)	650 Typ.
Physical Size : W×H×D (mm)	317.3 × 242.0 × 6.7 Typ. / 7.0 Max.
Electrical Interface	8 pairs LVDS (Even/Odd R/G/B Data (6bit) , 3sync signals, Clock)
Support Color	Native 262K colors (RGB 6-bit data driver)
Temperature Range (°C)	
Operating	0 to +50
Storage (Shipping)	-20 to +60



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10-00 Printed in Japan

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