



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()	
Operating	0 to +50
Storage(Shipping)	-20 to +60

