

Large Screen, High-Definition 20.1-inch UXGA LCD

FLC51UXC8V

A large-screen, high-precision LCD that achieves an image quality surpassing that of a standard CRT, through the use of FUJITSU's original MVA-Premium panel technology. Optimal as a high-end monitor for use in applications that demand high quality.

Product Features

■ High Image Quality

With the use of our newest MVA-Premium panel technology, FUJITSU has finally built an LCD that displays clearer, crisper images than a standard CRT.

- Wide viewing angle of more than 160 degrees in all directions
- High contrast ratio of 500:1
- No color change
- No inversion at gray scale
- Tough structure against external pressure and mechanical vibrations, with minimal unevenness in color.

In addition, the color reproduction range has been enlarged to more than 85% at EBU* ratio.

■ High-Definition, Full Color Display with a Large Screen

A clear, full, high-definition, full color display on a large screen size measuring 51cm from corner to corner (20.1-inch type) with UXGA (1,600×1,200dots).

■ Long-Life, Replaceable Backlight

The backlight has a long life of 50,000 hours. The cold cathode tube has a replaceable structure.

■ Built-in Inverter

A backlight inverter is built in.

Configuration

Table 1 shows the specifications, **Fig.1** shows the block configuration, and **Fig.2** shows the external dimension diagram.

Photo 1 External View



The interface uses LVDS dual input and is powered by a +12V single supply. The adoption of a flickerless circuit ensures minimal flicker during display. The product has a built-in backlight inverter and conforms to the TCO'99 standards. *

NOTES

* EBU: European Broadcasting Union

Table 1 Specifications

Item		Performance
Display Type		Active matrix (TFT)
LCD panel	Display Size	Diagonal 51cm (20.1-inch)
	Number of Pixels	1,600×RGB (H) ×1,200 (V)
	Pixel Pitch	0.255 (H) ×0.255 (V) mm
	Display Area	408 (H) ×306 (V) mm
Optical Features	Number of Color	16,777,216 colors
	Contrast Ratio	500 : 1 (Typ.)
	Brightness	250cd/m ² (Typ.)
	Viewing Angle	170 Degrees Vertical, 170 Degrees Horizontal, and 160 Degrees in all directions (symmetry)
	Response Time	25ms ($\tau_r + \tau_d$)
Electrical Features	Interface	LVDS
	Backlight	6 CCFLs, Sidelight
External Dimension		456 (W) ×356 (H) ×30.9 (D) mm
Weight		3,700g (Typ.)

Figure 1 Block Configuration

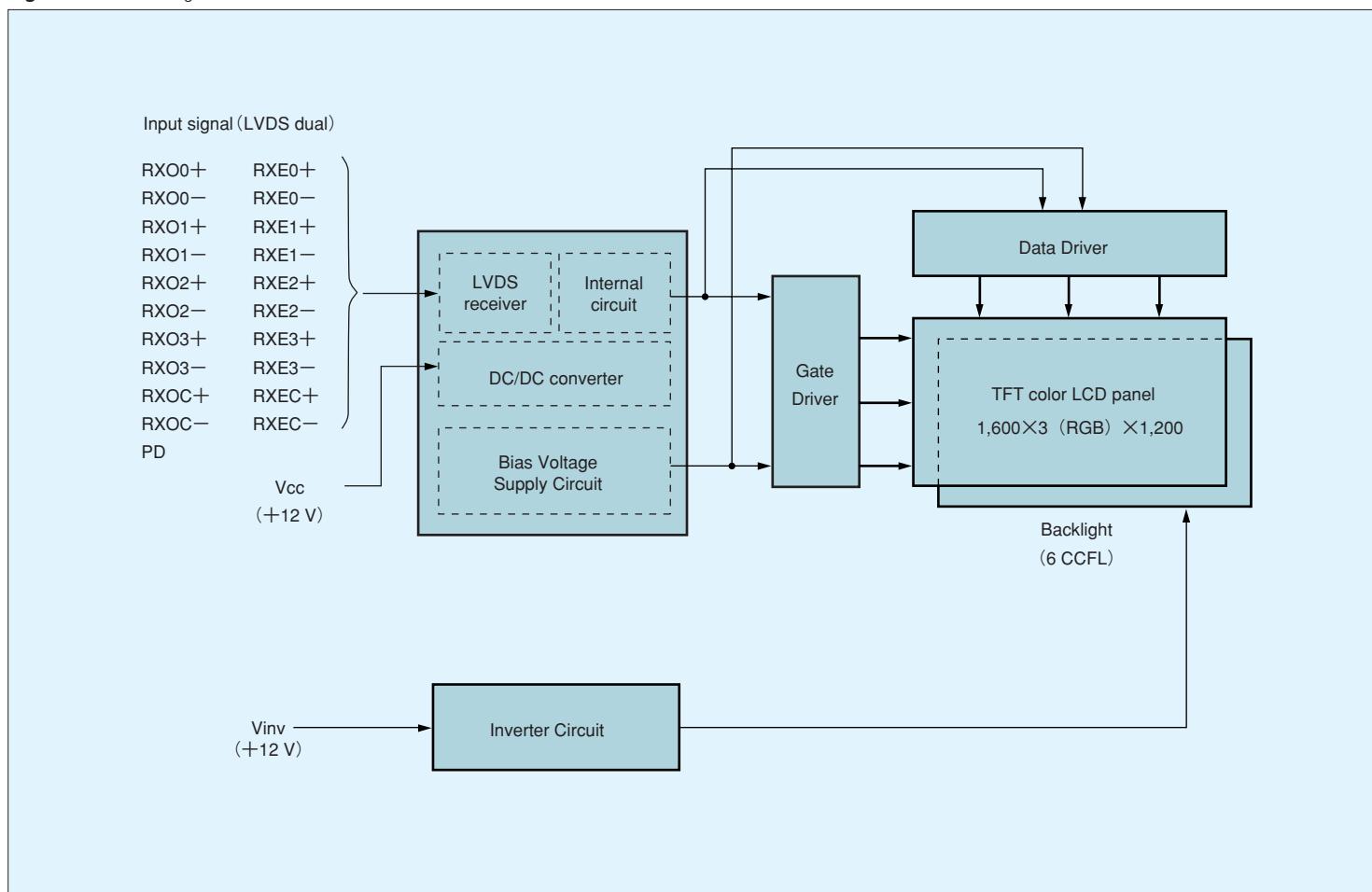


Figure 2 External Dimensions