



* LCD consists of, e.g., 1280 × 1024 pixels

* Each pixel has 3 (RGB) sub-pixels

* Each sub-pixel is controlled by one TFT

* Scan line (Gate line) can switch TFT ON2 OFF

DL = Data line = Image data line

- * TFT = FET. Which made does TFT operate 2)
 in? => ON & OFF made
- * TFT ON => PX (pixel) connected to DL (data line)
- * R sub-pixel can vary between Black & Red

 G -u- -u- Black & Gireen

 B -u- Black & Blue
- Other components of LCD
 - * Backlight = White light
 - * Colon filter = CF => R 5 B CF
 - * Liquid crystal = LC => Varies between opaque & transparent depending on PX voltage Cross section of LCD:

Back Dark pixel

White pixel

LCD substrate

SL, DL, TFT, PX