

Operational Description

This display system includes LCD panel, tablet and also one specific pen, UltraPen. The tablet is installed on the back of the LCD panel, there are two groups of multiple loop coils in X and Y directions. Radio frequency energy is radiated from these coils.

The user can use the specific pen to point the LCD panel. The radiated energy will be absorbed by this pen and then re-transmit it to the tablet. The sensor on the tablet can tell there on the LCD the user would like to point.

The signal re-transmitted to the tablet includes the coordinate, switch and pressure data.