

## M240 Wireless Horizontal Lcd

27<sup>th</sup> Nov, 2007

### Architecture:

M240 Wireless Horizontal Lcd includes received high quality video and audio components. The Wireless Horizontal Lcd is a 900Mhz wireless monitor compatible with any RDI or compatible wireless camera, an ideal product for monitoring the porch, watching the yard, pool, pets or the baby. It is also suited to many small business applications.

M240 Wireless Horizontal Lcd hardware architecture is show in Block diagram.

1. The 900Mhz RX module is assigned to receive the CVBS video and audio signal. And output trigger signal to MCU for judge. Then drive the buzzer to alarm.
2. **MCU (Micro control unit)** AT8P59 operates periodically. Including control Manual, Auto button ,control dip switcher to select RF module channel , control LED display RF module channel and control AV output etc.
3. The **CVBS (Color Video Blanking and Synchronizing )** signal through Y/C divider into TVP5150 RGB Decode/Driver then decode the CVBS signal and generate timing to drive and synchronize the TFT LCD Panel for show real picture. The color, contrast and brightness of panel were adjusted by EM78P156ELM.