The CPU sends out the signal to the transducer to emit the 40KHz ultrasonic wave out. After ultrasonic wave being sent out, the transducer starts to receive the echo bounced back from an obstacle, if any. Then the CPU calculates the time elapsed between the time of wave sending out and being received to get the distance between the transducer and the obstacle. The CPU then gives the signal to the buzzer to sound off the different sound alarm, if the distance is within a certain defined dangerous zone.

The image seeing from the lens through its' respective IC's (IC A) process to send out the image data received from the lens to a specific IC (IC B) used on OSD (short for On Screen Display). The CPU will then order the aforesaid IC (IC B) to combine the two data received (image and distance) in one to carry the combined data via 2.4GHz radio frequency through the Tx (Transmitting end) module's antenna to the Rx (Receiving end). Then the data received by Rx will be sent to and displayed on the monitor which controls LCD image display.

Operational Frequency: 2462MHz

Input Voltage:DC12V

Modulation Type: FM