

CA500 Wireless Camera for CSM1000

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Architecture

CA500 Wireless camera includes high quality video and audio components. When combined with a Xanboo **Wireless Video Monitor/Receiver**, you have an ideal combination for watching the baby, monitoring the porch, pets, yard or the pool. It is the also suite to many small business applications.

CA500 wireless camera hardware architecture is show in Figure 1.

- 1> The camera is base on a single-chip COMS color camera sensor (OV7910) provide a high quality video, a built-in heat-activated motion (PIR) detector, and an audio microphone.
- 2> The 2.4GHz TX module is assigned to transmit the video, audio and PIR signal wirelessly.
- 3> MCU (Micro control unit) operates periodically. Including scan the switch to select the RF module channel, detect PIR trigger and sent this event to the monitor through RF module.