

### IPC-S001WF net camera working principle description

It is Adopt 1,300,000 pixels COMS, picture signal gathered by picture sensor, and compressed as MOTION JPEG by MR9810, and then the picture signal transmit to internet through lineate(802.3) or wireless(802.11g/b) by CMOS chip TF 520.

The electricity transforms from AC to DC5.0V by AC/DC adapter, and transforms DC5V to 3.3V(WI-FI card and digital CMOS chip I/O level);2.8V(picture sensor I/O level);2.5V (MR8910 kernel level); 1.8v(TF-520 kernel level and picture sensor kernel level) through LDO IC; the total max power consumption is about 4.5w.