Circuit Description

Transmitter Module:
When the power connects the 12VDC supply, a video signal from camera is transmitted. The crystal controlled oscillator Y1 output is coupled through U31 to the base of Q15. From Q15 the signal through C201 output is coupled through C207 to the base of Q13. Through the high passive filter C199 is connected to the antenna rod. The modulation will be frequency modulation the crystal frequency. Then the varied frequency will be sent to the base of Q13 that will modulation the retuned circuit directly. Energy is supplied by a 12 VDC

Typical Operation:
there is a transmitter module working, the receiver module may receive that composite video signal when it "power on" state; and in the received video signal that press the "mirror" knob, the picture signal may left and right mirror function.

Panel:
U4 is video codec,U1 is TFT Panel driver;
The Panel is lighting through the TFT driver and T-con circuit;

Camera:
It is the CMOS Camera. It makes the light signal coding into the composite video.

Configuration:
a CMOS camera;
a 2.432GHz transmitter module;
a 2.432GHz receiver module;
a 2.5 inch TFT panel

Reference Oscillation:
Y1-14.318MHz;
U31-479.5MHz;
Antenna-2.432GHz
CRY1-4.43MHz

MCU
U30 inline oscillation, it have 4 I/O port;
U2 inline oscillation, its tenth Pin for PWM control of switch power supply.

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