

Linky (PC Camera) Operational Description

POWER / CRYSTAL Block :

1. You connect to PC Camera to USB port, then PC provides 5V power to camera.
2. 5V power is converted to 3.3V power due to Q101(3.3V DC Converter)
3. 3.3V power is to Power of U101(iClickGo Main IC)
4. If 3.3V Power is provided to camera, 48MHz X-TAL will start .
5. and, U103(Reset IC) supply Reset Signal to U101.
6. then, U101(PC Camera Main IC) works normally
7. U102(CMOS Image Sensor) is provided 3.3V power that is made from a EN_CIS Signal of U101.
8. U102 is provided MCLK(6MHz) and Reset Signal from U101. then, U102(CMOS Image Sensor) works normally.

SIGNAL Block :

1. U101 receives a Image Signal [D0-D7:Hsync:Vsync] of U102(CMOS sensor) and, transform a USB Serial Signal and, communicate with PC.

- Main IC / X-TAL Frequency Bandwidth , Working Fequency , Max. Operational Frequency : 48MHz
- Main IC Name : IC_QFP48 (Made by CoreLogic, ASIC)
- Rated Input Power : 5Vdc, 500mA Max.
- Power Consumption: 0.7W
- Connected Port Type : USB