Infrared LED Board (B), Wide Field of View

Features

- 3W high-power 850 infrared LED
- Onboard photoresistor, the ambient light detector
- Onboard adjustable resistor, for controlling the ambient light threshold of toggling the infrared LED
- Allows adding night vision function to cameras which feature embedded infrared filter :
    - 100 degree field of view, two pieces of LED is required to get wider field of view
    - Supported devices : RPi Camera (E), RPi Camera (F), RPi Camera (H)

How to Use

1. Connect the Infrared LED Board to the camera PCB by screws
    - The screw holes are used for both attachment and power supply
2. Adjust the adjustable resistor to set a proper ambient light threshold, which toggles the infrared LED automatically
    - When ambient light is lower than threshold value, the infrared LED is on, vice versa

Note :

- Limited by the Raspberry Pi power supply, the 3W high-power infrared LED might cause the Pi to increase heating, heat sinks are suggested.
- Ideal imaging distance is within 3m. When the distance goes up to 6m, the night vision camera can just capture blurry outlines.