

الحمادي للإلكترونيات  
ALHAMMADI FOR ELECTRONICS

## GY-30 Digital optical transceivers

**SENSOR: BH1750FVI**

peculiarity

- 1) I2C bus interface (f/s mode support)
- 2) The range of the spectrum is similar to that of the human eye
- 3) Illuminance digitizer
- 4) Wide range and high decomposition. (1 - 65535 lux)
- 5) Low current shutdown function
  1. 50Hz / 60Hz 光噪声 reject-function
  2. 1.8V logic input interface
- 8) No need for any external parts

9) The dependence of the light source is not large. (e.g. incandescent lamps. Fluorescent lamp. Halogen lamps. White LED.

10) It is possible to choose 2 types of I C slave-address.

11) Influence of adjustable optical window measurement results

(It can detect minutes. Use this feature 0.11 lux, max. .100000 lux).

12) Test Variation (+/- 20%)

13) The effect of infrared

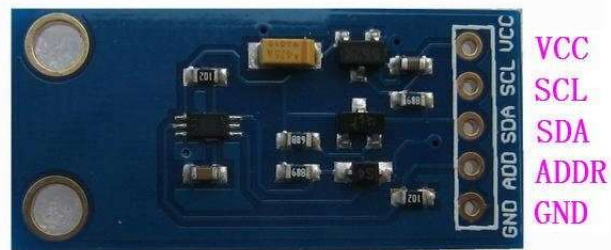
light is very small for

application

Mobile phones, LCD TVs, attention PCs, portable game

consoles, digital cameras, digital camcorders, car navigation,

PDA,LCD display



### Pin Function Descriptions

Pin	引脚名称	描述
1	VCC	供给电压 3-5v
2	SCL	IIC 总线时钟线
3	SDA	IIC 总线数据线
4	ADDR	IIC 地址引脚
5	GND	电源地

Table:

名称	描述
供给电压	3~5 V
供给电流	200uA
接口	IIC
工作温度	-40°~ 85°
尺寸 (长*宽*高)	32.6mm×15.2mm×11.6mm

