

Unit DLight

SKU:U136



Description

Unit DLight is a **digital ambient light detection sensor**. The hardware uses a **BH1750FVI** illuminance sensor IC (I2C interface), with built-in 16-bit AD conversion supporting (1 ~ 65535 lx) illuminance value detection. It features a small size and low power consumption, making it suitable for various illuminance detection and light control adjustment scenarios.

Features

- I2C communication interface (addr: 0x23)
- Digital conversion of illuminance
- Low light source dependency (can detect light sources: incandescent, fluorescent, halogen, white LED, sunlight)
- Detection range (1 ~ 65535 lx)
- HY2.0-4P interface

Includes

- 1 x Unit DLight
- 1 x HY2.0-4P Grove connection cable (20cm)

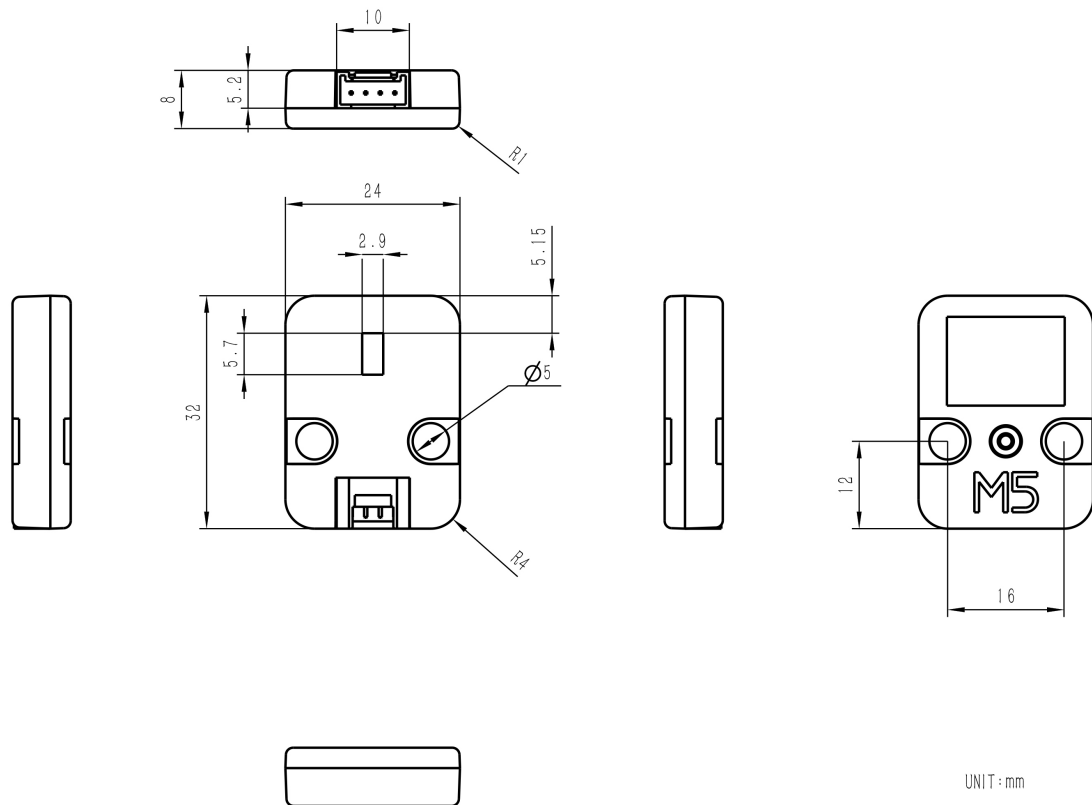
Applications

- Illuminance detection

Specifications

Specification	Parameter
Sensor Model	BH1750FVI
Illuminance Detection Range	1 ~ 65535 lx
Communication Interface	I2C communication interface (addr: 0x23)
Peak Sensitivity Wavelength Typical Value	560nm
Operating Current	< 5V@143uA
AD Conversion Depth	16bit
Product Size	32.0 x 24.0 x 8.0mm
Product Weight	4.8g
Package Size	138.0 x 93.0 x 9.0mm
Gross Weight	10.0g

Schematics



Structure

- [Unit DLight Structure Files](#)

Datasheets

- [BH1750FVI datasheet](#)

Softwares

Arduino

- [Unit DLight Arduino Library](#)
- [Unit DLight Arduino Tutorial](#)
- [Unit DLight Example with M5Atom](#)
- [Unit DLight Example with M5Core](#)
- [Unit DLight Example with M5Core2](#)
- [Unit DLight Example with M5StickC](#)
- [Unit DLight Example with M5StickCPlus](#)

UiFlow1

- [Unit DLight UiFlow1 Docs](#)

UiFlow2

- [Unit DLight UiFlow2 Docs](#)

Home Assistant

- [Home Assistant Integrations](#)

| Video

- Illuminance Value Detection

[UNIT_DLIGHT_VIDEO.mp4](#)