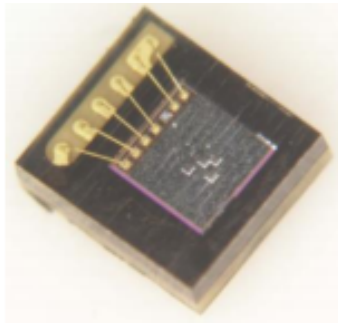


Senzor ZOPT2201 obsahuje snímač ambientného osvetlenia (ALS) a snímač ultrafialovej zložky. Výstupné data poskytuje v digitálnej forme pomocou rozhrania I2C.



Vlastnosti

- High ambient light and UV energy sensitivity
- Superior infrared energy suppression
- Very stable spectral response over angle of light incidence
- Wide dynamic range
- Excellent temperature compensation
- Lowest conversion repeat noise
- I²C™ interface capable of standard mode (100kHz) or fast mode (400kHz) communication; 1.8V logic compatible
- Programmable interrupt function for ALS and UVS with upper and lower thresholds

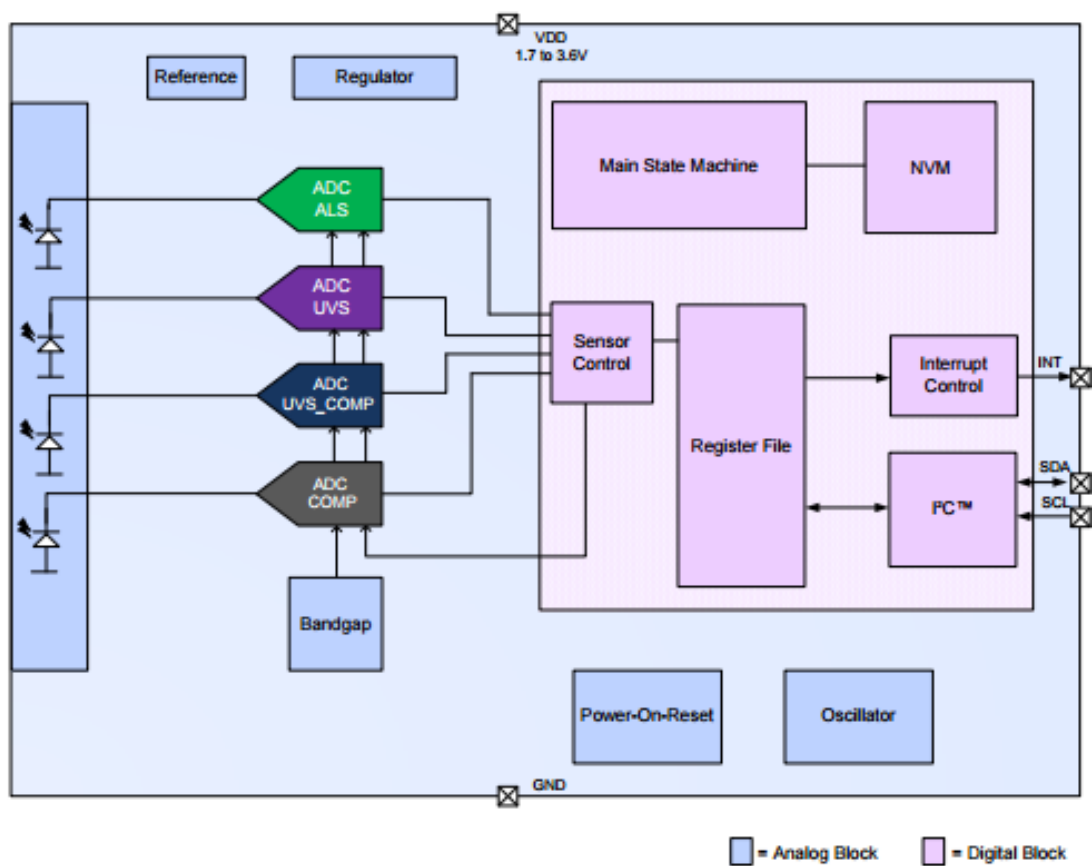
Vlastnosti ALS

- Integrated ALS closely matches human eye response for high lux accuracy over different light sources
- Absolute sensitivity: 0.008 lux to 157000 lux
- Configurable output resolution: 13 to 20 bits
- Configurable analog gain: x1 to x18
- Linear output code
- 50Hz/60Hz light flicker immunity
- Fluorescent light flicker immunity

Vlastnosti UVS

- Linear UV index measurement (1 to >11)
- Tailored temperature compensation

Blokové zapojenie



Odkazy

[Stránka produktu](#)[Datasheet](#)