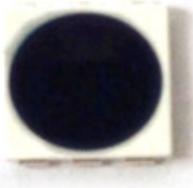


## CP5300 (Ambient Light Sensor TDN)



CP5300 is ambient light sensors specialized for security cameras controlling IR LED and TDN filter.

Small and low power 1 chip sensor does not need IR cut filter owing to its excellent infrared light immunity. On chip TCC and hysteresis control minimize additional peripheral circuit elements.

CP5300 is an eco-friendly ambient light sensor in the photodiode type developed to use as a substitute for a CdS sensor that has been the main cause of environment pollution.

### Features

- Output : TDN – Digital output
- Hysteresis control
- Temperature compensation circuit
- RoHS compliance (No Cd)
- Accurate up to 1 Lux
- Spectral response does to the human eye's response
- Excellent infrared immunity: 99,999% (IR cut filter not needed)
- Operating voltage : 3.0V~3.6V
- Cycle time : 666ms

### Application

- Detection of ambient light to control IR LED
- Security, Vehicle
- Portable and Handheld devices
- Personal Computer/Note books

PARAMETER	TYPICAL VALUE
Cycle Time	666ms
Power Consumption	650uA
Operating Voltage	3.3 V
Operating Temperature	-30°C ~ 85°C
Package Dimension	3.0 mm x 2.0mm x 0.65mm, 6pin