

Genicom's Digital UV Sensor (GUVB-C31SM) for Mobile, Wearable, and IoT Applications

Unique device provides very accurate measurement of UV Index

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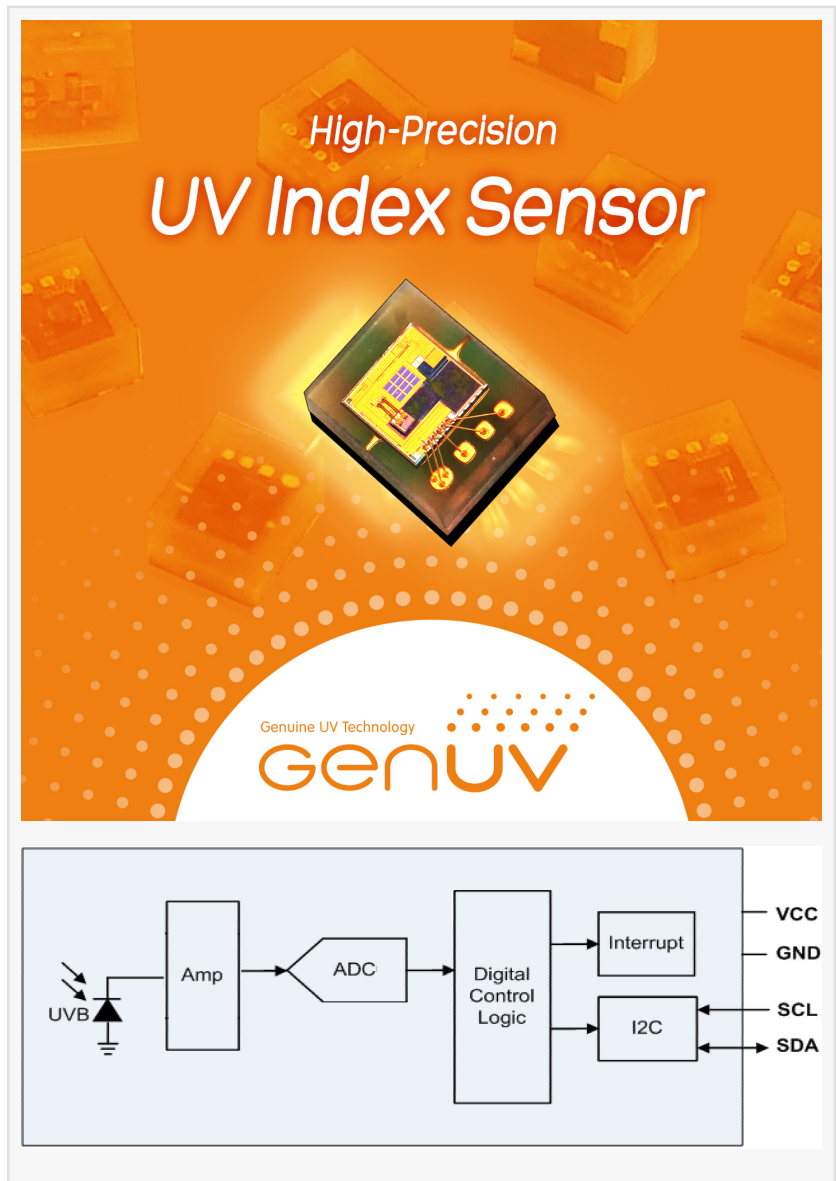
Genicom, a leading company for UV light sensing solution, has released a digital UV sensor that provides high accuracy for UV index measurement with AlGaIn-based sensor technology. In recent, many digital UV sensors have Si-based technology and its accuracy is not good for UV index because the detection spectrum is quite different from Erythermal reaction curve that is a definition of UV index. However, Genicom's AlGaIn-based UV sensor has very similar spectrum so it is most accurate solution for high precision UV index monitoring.

The digital UV sensor (GUVB-C31SM) combines a UV photodiode and a signal-processing IC in a compact 2.0mmx2.3mmx1.4mm 4-pin COB package. It converts measurements of hazard solar UV light intensity into a digital read-out for UV index with 16-bit resolution.

It may be widely used for UV Index detection in products such as smartphones, smartwatches, wearable

devices, weather stations and etc. The sensor saves space by integrating the circuitry needed for these applications into one compact unit. Also it has 4 modes (normal/sleep/auto shutdown/shutdown) for power management to reduce power consumption. The supply voltage is 2.2V to 3.6V and I2C slave interface is up to 400 KHz.

"This new digital UV sensor will help the system designer to lower costs and simplify the circuit. The GUVB-C31SM offers high precision with excellent performance by detecting exact UV index spectrum. Samples are available now, with volume production scheduled for Q4 2015. Unit pricing is \$1.70 for orders of 10k pieces," says JED Kim, a sales manager of Genicom.



About Genicom

Genicom is the total solution specialist in UV detection technology over 10 years. Genicom products are based on Indium Aluminum Gallium Nitride (InAlGaN) material. They used this technology to supply a variety of products for UV detection including UV index monitoring, UV water sterilization, UV air purification, UV curing and etc. The GenUV is brand for all Genicom's products.

Learn more information at <http://www.geni-uv.com/> or e-mail the company at uvsensor@geni-uv.com

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