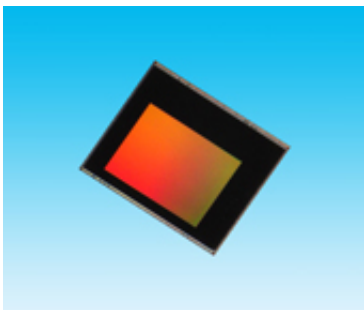


# Toshiba launches 13 Megapixel, 1.12 $\mu$ m, CMOS image sensor with color noise reduction

July 5 2013

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Toshiba Corp. today announced the launch of "T4K37", a 1.12 $\mu$ m, 13 Megapixel BSI CMOS image sensor with color noise reduction (CNR). Mass production starts today.

The integrated CNR circuit makes it possible for the product, fabricated with the industry's smallest class 1.12 $\mu$ m pixel process, to achieve the same signal-to-noise ratio as equivalent products fabricated with 1.4 $\mu$ m pixel process.

The T4K37 also incorporates a high dynamic range (HDR) function that faithfully reproduces dark and bright areas in high contrast images. The product's high frame rate of 30 fps at full resolution reduces delays in

imaging, resulting in less shutter lag, and allows continuous shooting.

**More information:** [www.semicon.toshiba.co.jp/eng/ ...  
r/1300033\\_37652.html](http://www.semicon.toshiba.co.jp/eng/...r/1300033_37652.html)

Provided by Toshiba

Citation: Toshiba launches 13 Megapixel, 1.12 $\mu$ m, CMOS image sensor with color noise reduction (2013, July 5) retrieved 5 May 2024 from <https://phys.org/news/2013-07-toshiba-megapixel-112um-cmos-image.html>

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