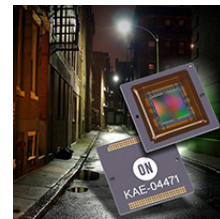


製品概要

KAE-04471: Interline Transfer EMCCD Image Sensor, 4.4 MP

技術情報は、データシートをご参照ください。



The KAE-04471 Image Sensor is a 4.4 Mp, 4/3" format, Interline Transfer EMCCD image sensor that provides exceptional imaging performance in extreme low light applications. Each of the sensor's four outputs incorporates both a conventional horizontal CCD register and a high gain EMCCD register.

An intra-scene switchable gain feature samples each charge packet on a pixel-by-pixel basis. This enables the camera system to determine whether the charge will be routed through the normal gain output or the EMCCD output based on a user selectable threshold. This feature enables imaging in extreme low light, even when bright objects are within a dark scene, allowing a single camera to capture quality images from sunlight to starlight.

特長

- Intra-Scene Switchable Gain
- Wide Dynamic Range
- Low Noise Architecture
- Exceptional Low Light Imaging
- Global Shutter
- Excellent Image Uniformity and MTF

アプリケーション

- Scientific Imaging
- Medical Imaging
- Surveillance
- Defense Imaging
- Intelligent Transportation Systems

電氣的仕様

製品	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (μm)	Output Interface	Color	Package Type
KAE-04471-ABA-JP-EE	Pb-free Halide free	Active	Interline Transfer-EMCCD	4.4	14	4/3 inch	Electronic	7.4 x 7.4	Analog	Mono	CPGA-155
KAE-04471-ABA-JP-FA	Pb-free Halide free	Active	Interline Transfer-EMCCD	4.4	14	4/3 inch	Electronic	7.4 x 7.4	Analog	Mono	CPGA-155
KAE-04471-ABA-SD-EE	Pb-free Halide free	Active	Interline Transfer-EMCCD	4.4	14	4/3 inch	Electronic	7.4 x 7.4	Analog	Mono	CPGA-155
KAE-04471-ABA-SD-FA	Pb-free Halide free	Active	Interline Transfer-EMCCD	4.4	14	4/3 inch	Electronic	7.4 x 7.4	Analog	Mono	CPGA-155
KAE-04471-ABA-SP-EE	Pb-free Halide free	Active	Interline Transfer-EMCCD	4.4	14	4/3 inch	Electronic	7.4 x 7.4	Analog	Mono	CPGA-155
KAE-04471-ABA-SP-FA	Pb-free Halide free	Active	Interline Transfer-EMCCD	4.4	14	4/3 inch	Electronic	7.4 x 7.4	Analog	Mono	CPGA-155
KAE-04471-FBA-JP-EE	Pb-free Halide free	Active	Interline Transfer-EMCCD	4.4	14	4/3 inch	Electronic	7.4 x 7.4	Analog	Bayer Color	CPGA-155
KAE-04471-FBA-JP-FA	Pb-free Halide free	Active	Interline Transfer-EMCCD	4.4	14	4/3 inch	Electronic	7.4 x 7.4	Analog	Bayer Color	CPGA-155
KAE-04471-FBA-SD-EE	Pb-free Halide free	Active	Interline Transfer-EMCCD	4.4	14	4/3 inch	Electronic	7.4 x 7.4	Analog	Bayer Color	CPGA-155
KAE-04471-FBA-SD-FA	Pb-free Halide free	Active	Interline Transfer-EMCCD	4.4	14	4/3 inch	Electronic	7.4 x 7.4	Analog	Bayer Color	CPGA-155
KAE-04471-FBA-SP-EE	Pb-free Halide free	Active	Interline Transfer-EMCCD	4.4	14	4/3 inch	Electronic	7.4 x 7.4	Analog	Bayer Color	CPGA-155
KAE-04471-FBA-SP-FA	Pb-free Halide free	Active	Interline Transfer-EMCCD	4.4	14	4/3 inch	Electronic	7.4 x 7.4	Analog	Bayer Color	CPGA-155

詳細は、弊社 www.onsemi.jp の営業または販売代理店にお問い合わせください。

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