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e2v Space-Qualified CMOS Image Sensor Capability and Roadmap

A White Paper
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INTRODUCTION

e2v is a leading global provider of high performance image sensors for space applications with over 100 devices flown in missions ranging from Earth observation to planetary exploration and space science. The core technology of the e2v's space-qualified image sensors is CMOS image sensors. With expertise in high resolution, low noise and large format devices, we have developed the e2v's first digital image sensor with a 1000 x 1000 pixel array in 2008. The recently launched e2v's first digital image sensor with a 1000 x 1000 pixel array is the e2v's first digital image sensor with a 1000 x 1000 pixel array.

e2v has developed the e2v's first digital image sensor with a 1000 x 1000 pixel array. This device is a leading global provider of high performance image sensors for space applications with over 100 devices flown in missions ranging from Earth observation to planetary exploration and space science.

EXPERIENCE IN CMOS

e2v has over 30 years of experience in the design and delivery of CMOS image sensors. Our standard product portfolio consists of a diverse range of high resolution image sensors, with a significant number of technology families available to meet performance in the high end. The e2v's high resolution image sensors feature state-of-the-art technology, very high frame rates and exceptional sensitivity. The most significant of these are the e2v's first digital image sensor with a 1000 x 1000 pixel array and the e2v's first digital image sensor with a 1000 x 1000 pixel array.

e2v's first digital image sensor with a 1000 x 1000 pixel array is the e2v's first digital image sensor with a 1000 x 1000 pixel array. This device is a leading global provider of high performance image sensors for space applications with over 100 devices flown in missions ranging from Earth observation to planetary exploration and space science.

In a similar program, e2v has completed a feasibility program to study the performance of a 1000 x 1000 pixel array CMOS image sensor. This program will demonstrate the feasibility of a 1000 x 1000 pixel array CMOS image sensor with a 1000 x 1000 pixel array.

These three early activities will be completed a feasibility program to study the performance of a 1000 x 1000 pixel array CMOS image sensor. This program will demonstrate the feasibility of a 1000 x 1000 pixel array CMOS image sensor with a 1000 x 1000 pixel array.

The e2v's first digital image sensor with a 1000 x 1000 pixel array is the e2v's first digital image sensor with a 1000 x 1000 pixel array. This device is a leading global provider of high performance image sensors for space applications with over 100 devices flown in missions ranging from Earth observation to planetary exploration and space science.

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