

## Sony Imx214 Image Sensor Techinsights

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## **Sony Imx214 Image Sensor Techinsights**

IPR-1503-901 This report is an Imager Process Review of the Sony IMX214 CMOS image sensor. The IMX214 is Sony's second generation Exmor RS series, 13 megapixel (MP) "stacked" CIS with a spatially multiplexed exposure-high dynamic range (SME-HDR) imaging function to improve picture quality.

## **Sony IMX214 CMOS Image Sensor Imager ... - Techinsights**

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years, enabling our customers to advance their intellectual property strategies. Our library of reports is the world's largest database of reverse engineering analysis of semiconductor and consumer products.

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TechInsights has been at the forefront of image sensor competitive technical intelligence since 2006, and have always been the first to report on key technology elements. All Top 10 image sensor design companies are our subscribers, and all Top 3 image sensor foundries are our subscribers.

### **Sony IMX321 CMOS Image Sensor from Nikon ... - Techinsights**

TechInsights also found that long-time Apple image sensor supplier Sony is providing the image sensors for all three of the iPhone 11 Pro's rear cameras, as well as its standard front

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camera.

## **Apple iPhone 11 Pro Teardowns Look Encouraging for STMicro ...**

It uses the popular 13-megapixel Sony IMX214 image sensor, which is the same component as can be found in the OnePlus One and the Xiaomi Mi 4 - two more well-specced, high-value Chinese smartphones.

## **Camera - ZTE Blade S6 review | TechRadar**

The Sony IMX608 is a 40 MP, 1.12  $\mu\text{m}$  pixel pitch stacked CMOS image sensor used in Huawei's Mate 30 Pro and P40 Pro smartphones. The IMX608 features a new 4x4 pixel/color filter "Quad Quad Bayer" array and new PDAF pattern.

## **Sony IMX608 Device Essentials Plus | TechInsights**

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competitive technical intelligence since 2006, and have always been the first to report on key technology elements. All Top 10 image sensor design companies are our subscribers, and all Top 3 image sensor foundries are our subscribers.

### **Sony IMX193 CMOS Image Sensor Device ... - Techinsights**

The IMX219 from Sony Corporation is a CMOS Image Sensor with Mega Pixels 8.08 MP, Supply Voltage 1.2 to 2.8 V, Frame Rate 60 to 180 fps. More details for IMX219 can be seen below.

### **IMX219 - Sony Corporation | CMOS Image Sensor**

Samsung announced its new image sensor, the S5K3P3, from its own lineup of ISOCELL camera sensors, which offer reduced height and size, as well as 1.0 $\mu$ m pixels, for a better fit inside next ...

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## **Samsung's S5K3P3 Image Sensor Trades Better Quality For ...**

Exmor is the name of a technology Sony implemented on some of their CMOS image sensors. It performs on-chip analog/digital signal conversion and two-step noise reduction in parallel on each column of the CMOS sensor.. Exmor R is a back-illuminated version of Sony's CMOS image sensor. Exmor R was announced by Sony on 11 June 2008 and was the world's first mass-produced implementation of the back ...

## **Exmor - Wikipedia**

Coming to the rear camera, it is a 13 MP Sony IMX214 image sensor auto focus camera with Geo-tagging, Face Detection, Panorama, LED Flash, HDR, etc. The rear camera is capable of taking pictures in low light and record full HD videos with 30 FPS due to the Sony Sensor which comes in aperture size f/2.0.

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## **Best Camera Phone Under 10000 - 2017 - Review on Camera phones**

This image sensor features a 2.5 um pixel in an effective resolution of 6.4 Mp. The device is capable of recording at 60 fps and features a 12-bit parallel LVDS with 432 MHz highspeed data rate. [View Table of Contents](#)

## **Sony IMX017 6.4Mp CMOS Image Sensor - Techinsights**

August 20, 2012, Tokyo, Japan - Sony Corporation ("Sony") today announced the commercialization of "Exmor RS," the world's first CMOS image sensor incorporating a unique, newly-developed 'stacked structure.' Shipments will commence in October. Sony is introducing three models of the "Exmor RS," stacked CMOS image sensor, for use in smartphones and tablets, which combine ...

**Sony Global - News Releases - Sony Global - Sony Global**

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The Sony IMX135 image sensor is the world's first Stacked CMOS Image Sensor. It adopts a unique 'stacked structure.' This structure layers the pixel section, containing formations of back-illuminated pixels over the chip affixed with mounted circuits for signal processing, in place of conventional supporting substrates used for back ...

## **ModSynergy.com - Review 308 - Posh Mobile Titan HD E500 ...**

Introducing Products, Image Sensor for Security/Surveillance, of Sony Semiconductor Solutions Group.

## **Products** Image

## **Sensor** Security/Surveillance Products Sony ...

CMOS Image Sensor with Column-parallel A/D conversion circuit  
Sony always keeps innovating on the image sensor after Sony



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has put CCD out into the world. Sony is advancing more development of the small and high-performance image sensor : the high sensitivity back-illuminated CMOS image sensor and the stacked CMOS image sensor.

## **Image Sensor Consumer Camera Products Sony Semiconductor ...**

Introducing Products, Industry Image Sensor, of Sony Semiconductor Solutions Group.

## **Products Image Sensor Industry Products Sony Semiconductor ...**

This is one of the highest resolution USB camera modules, it is 13 Mega Pixel with high quality SONY IMX214 CMOS image sensor, also it is auto focus, and can be used for high-technology, high-end applications, such as cellphones, tablets, drones, robotics, medical device, and others.

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## **13MP Auto Focus Camera Module with SONY IMX214 CMOS sensor ...**

CMT-13MP-IMX214-C200 1 Key Feature : This is our latest camera module development, and also one of the highest resolution USB camera modules, it is 13 Mega Pixel with SONY IMX214 CMOS image sensor, image quality is very very high that you can see every details no matter how small it is.

## **13MP HDR Fixed Focus Camera Module with SONY IMX214 sensor ...**

ELP Sony IMX214 Sensor 3840\*2880 13MP Zoom Manual Focus Mini USB Camera with 2.8-12mm Varifocal lens (0) Write Review Model: ELP-USB13M02-MFV (2.8-12)

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