



## Key Features

USB2.0 High Speed

USB1.1 Compatible

USB Video Class

30fps@VGA

Advanced ISP

video streaming. Available in a variety of different packages the VC0331 offers versatility and flexibility in the tailoring of solutions, allowing a wider set of your requirements to be met.

VC0331 is Vimicro's new USB2.0 High Speed PC Camera Processor and is the latest member of the Vimicro PC camera processor product family. It has been designed small and compact enough to embed into laptops, while utilizing the most up-to-date technologies to offer a cost-effective solution for enhancing web camera multimedia experiences.

VC0331 gives a consistent excellent performance, delivering high quality

### Ease of Use

VC0331 processors are USB Video Class 1.0 compatible. Therefore no drivers need to be installed before the user can experience first-hand the enjoyment of using this product. VC0331 is also fully compliant with the increased bandwidth of USB 2.0 High-Speed (HS) protocol and is USB 1.1 compatible.

### High Quality Video Streaming

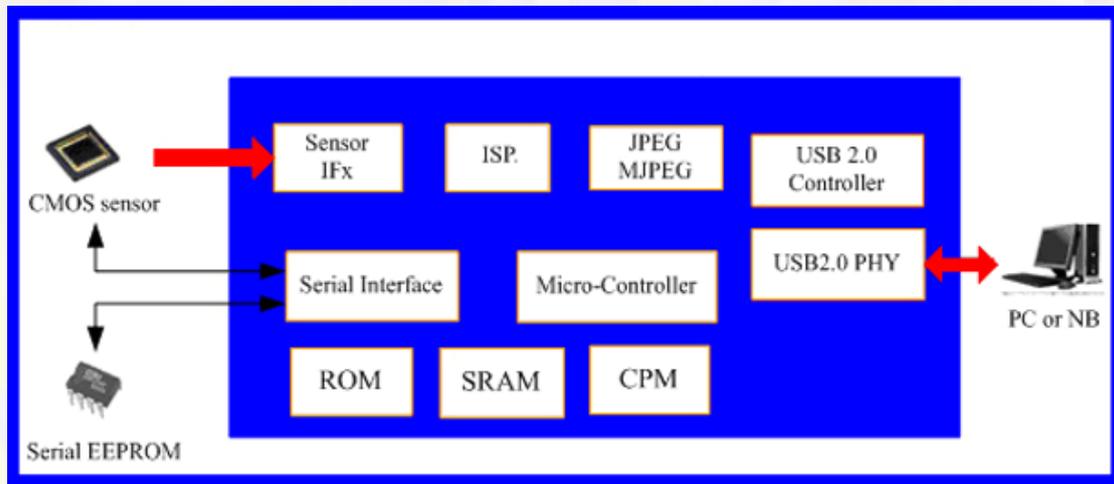
VC0331 processors have a combined image encoder requiring no external buffer, they also support the 480M bps USB 2.0 high speed transaction. This enables high frame rates of up to 30fps@VGA. VC0331 also integrates the Advance Imaging Signal Processor and built-in JPEG encode engine, to provide high quality video streaming.

### Clear View in Still-Picture

With the integrated CMOS sensor interface and programmable sensor master clock output, VC0331 can support the CMOS sensor with the resolution of up to 2 Mega pixels. Using Vimicro sophisticated image signal processing and error correction technologies, images are clear and well defined making communication easier and more hassle free than ever before.

## Block Diagram

The Block Diagram below illustrates the main components and Layout of VC0331.



VC0331 is fully compliant with USB Video Class 1.0 standard

For more details, please visit our website <http://www.vimicro.com/> or contact our world wide sales offices.

Vimicro Corporation is a China-based semiconductor company providing chips and solutions that enable multimedia communication and applications. Vimicro is a market leader in imaging processors for PC and mobile devices. Vimicro is now focused on offering next generation multimedia technologies for PC and mobile phones markets. Our latest multimedia processors will combine all the functionalities of both the imaging/video/graphics and sound/audio/music processors, allowing for future applications such as Multimedia Messaging Services ("MMS"), mobile imaging, mobile ring-tone, mobile music, mobile flash, mobile video and mobile games.

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