



# Pixel Shifting Technology for Quality Image Output

## The CC3200C pixel shifting camera offers incredible flexibility in capturing images at 2, 8, 18 and 32 megapixel resolution.

Using patented pixel shifting technology, each CCD pixel captures full chromatic information resulting in increased color resolution with no degradation. The CC3200C is the first pixel shifting camera to utilize the highly sensitive SONY ICX274 sensor. Available at a fraction of the cost of competitive cameras, this complete imaging solution is an affordable, extraordinary tool for professionals in clinical, life and material sciences where megapixel resolution, color accuracy and light sensitivity are essential.

Every CC3200C camera includes INFINITY ANALYZE software for advanced camera control, image processing, measuring and annotation, as well as INFINITY CAPTURE, an intuitive user interface which includes all of the basic features needed to control your INFINITY camera and capture images.

The CC3200C is available in color or monochrome, as well as OEM form factors including board-level and custom enclosures.

CC3200C cameras are supported by an experienced team of technical support and imaging experts. We understand your imaging needs and are here to help you get the most out of your camera.

### PRODUCT HIGHLIGHTS

- 32 megapixel pixel shifting camera
- 2, 8, 18 and 32 megapixel resolution on capture
- Highly sensitive, low noise CCD with remarkable color quality for the most demanding applications
- 12 fps at full 1616 x 1216 resolution, 25 fps at smaller regions of interest
- 8 & 12-bit selectable output format

### OPERATIONAL SPECIFICATION

<b>Digital Video Resolution/ Frame Rate</b>	1616 X 1216 12 frames per second 1280 X 1024 14 frames per second 808 X 608 21 frames per second 640 X 480 25 frames per second
<b>Digital Still Image</b>	1616 X 1216 / 2.0 million pixels 24 bit RGB: 5.6 MB 3232 X 2432 / 8.0 million pixels 24 bit RGB: 22 MB 4848 X 3648 / 16.0 million pixels 24 bit RGB: 50 MB 6464 X 3648 / 32.0 million pixels 24 bit RGB: 90 MB 4848 X 3648 / 16.0 million pixels

### INTERFACE ATTRIBUTES

<b>Application Support</b>	TWAIN for 3rd party integration
<b>Application Interface</b>	Intuitive User Application



### CAMERA SETTINGS

<b>Image Sensor</b>	CCD, Sony ICX274, Available in Color or Monochrome
<b>Effective Pixels</b>	1616 x 1216, 4.4µm square pixels
<b>Optical Format</b>	1/1.8"
<b>Frame Rate</b>	12
<b>Dynamic Range</b>	>66dB
<b>Bit Depth</b>	8 and 10-bit uncompressed
<b>Read Noise</b>	(e-/s) 12 e-

### CAMERA CONTROLS

<b>Mass</b>	330 g
<b>Power Requirement</b>	External 5VDC - 2.5A
<b>Power Consumption</b>	~2.5Watts
<b>Operating Temperature</b>	0 to +50°C
<b>Operating Humidity</b>	5 - 95 %, Non-condensing
<b>Integration Time</b>	67ms to 2 sec.
<b>Shutter</b>	Global electronic shutter
<b>Auto Exposure</b>	Automatic / Manual
<b>White Balance</b>	Automatic / Manual
<b>Gain</b>	Programmable / 1 to 10X
<b>Interface Connector</b>	USB 2.0
<b>Dimensions</b>	3.85 x 2 x 2.75 inches
<b>Lens Mount</b>	Adjustable C-Mount lens adapter



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