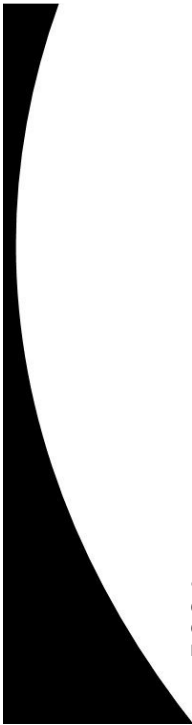




iREZ i2100c Super Digital Video Camera

Product Manual





All of us at GlobalMedia would like to thank you for purchasing the i2100c camera. We are certain you will be pleased with the quality of this American designed and manufactured product.

This camera is a best in class GlobalMedia product with its full potential realized when combined with CapSure®. Using the CapSure store-and-forward program you can capture, edit, store and share the images you obtain with the i2100c.

Please visit us at www.GlobalMedia.com for the latest products, upgrade offers and technical information.

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The i2100c is the second in a series of high quality and high resolution super digital video cameras. Designed specifically for telemicroscopy and macroscopy, it allows you to preview up to 1600x1200 pixel lines of resolution at 15fps.

The i2100c is built on a zero-pixel loss sensor and uses six isolated digital and analog power supplies that operate in a wide range of temperatures. The noise and interference are limited, providing a far better image.

Using FRoST™ cooling technology, heat is isolated and drawn up and off the back of the sensor which not only keeps the camera cooler, but also keeps the camera's color and contrast levels consistent, even after hours of use. For more information about this cooling technology, please visit our website.

This product is designed and manufactured in the USA

NOTE: This device is not intended to be used to diagnose, treat, cure or prevent any disease, nor as a substitute for a health professional's advice. GlobalMedia does not accept any liability for injury, loss or damage incurred by use of or reliance on the information gathered by our product.

To insure that the i2100c works properly, your computer must meet these minimum system and hardware specifications. Insufficient resources on your computer will affect video frame rate and possibly image quality. GlobalMedia does not recommend the use of third party software with our camera, and does not provide technical support for non-GlobalMedia programs. GlobalMedia has carefully designed and developed the i2100c for video quality and optimum performance. The customer assumes responsibility for limited results if improperly used outside minimum specifications.

Minimum Requirements

Operating System:	Windows XP sp2
Processor:	Pentium 4 2.4 GHz or AMD 2400+ or better
Memory:	1GB
Video Card:	DirectX 9.0c fully compliant hardware with 256MB of dedicated texture memory
Interface:	USB 2.0 Port
Monitor/Display:	1280x720 or higher resolution
Software:	CapSure®, CapSure Lite™, PREviewer™ (other software may work, but is not supported)

The installation of the i2100c is Plug and Play

Prerequisites

Local administrative privileges are required to install the driver.

To install the driver;

1. Place the CD into your computer's CD drive. If a window appears, simply close it.
2. Plug the i2100c into an open USB 2.0 port on your computer. If a window appears mentioning Windows Update, select "No, not at this time."
3. Select "Install the driver from a list or a specific location," browse to your CD drive and click "OK" or "Open".
4. Next you will see a prompt advising you that Windows cannot verify the publisher of the driver. Continue the installation by selecting "Continue Anyway."
5. Restart if prompted.

At this point the camera is installed and ready to use.

iREZ i2100c Specifications	
Sensor Type	1/3.2 inch 10bit color CMOS
Scan Type	Progressive Scan
Frame Sizes	1600x1200, 1280x960, 1024x768, 800x600, 640x480, 320x240, 160x120
Pixel Size	2.8uM x 2.8uM
Data Transfer	Uncompressed Raw Video
Data Output	RGB, YUV
Frame Rate(Max)	15fps @ 1600x1200, 30fps @800x600, 30fps @ 640x480
Aspect Ratio	4:3
Auto Exposure	Application Controlled
White Balance	Application Controlled
Manual Controls	Saturation, Brightness, Contrast, AE, WB
Min Illumination	1 lux
Power	USB 5 volts DC/ Max 180mA
Back Focal Length	Adjustable 9.5mm - 15mm, C-mount adapters only
Dimensions	50mm(w) x 40mm(h)
Weight	-8 ounces not including adapters or couplers
Mount Standard	Optional collar, 1/4 inch-20 adapter

The i2100c has no external controls. The only visible indicators on the camera are two power indicators that light up when you plug in the USB cable.

To connect the camera, simply plug it in (shown right).



To connect a lens or microscope coupler to the camera, screw the lens onto the underside of the camera (shown right).

You can adjust back focal length by turning the c-mount adapter in and out to match your adapter.



1. C-Mount Adapter
2. BFL Adjustment Release

6 Cleaning the i2100c

When cleaning the i2100c, gently blow away coarse dirt particles using a bellows brush, or high quality compressed air.

For smears or oil residue, use a pure grade of isopropyl alcohol with lint-free cotton swabs. Wipe off any residue or excess liquid with another clean swab.

Do not use lens tissue made for eyeglasses, or any other type of paper, as these tend to use silica powder and other ingredients that could scratch or harm the optics.

Do not use any aerosol products or cotton balls to clean the camera.

7 Warnings

Do not attempt to sterilize or submerge this device into any kind of liquid. Doing so will void the warranty and it will most likely damage the device.

Do not drop or throw this device as damage may occur.

Use caution to avoid tripping over the cable leading from the camera to the computer.

Don't remove the heat-sink from the top of the camera. or damage to the camera will occur. This will void the warranty.

All GlobalMedia Group, LLC (GMG) products are warranted under the following terms.

Products that become defective during the first year after the order is shipped will be repaired or replaced by GMG free of charge. This limited warranty is contingent upon proper use of the product and does not cover products that have been damaged (scratches, bent metal, broken components) misused, modified, or subject to unusual physical or electrical stress. All returns for any other reason must be made within the first 30 days from time of shipment, and will be subject to a 25% restocking charge. Buyer must include all original components, literature, and packaging in the same salable condition received to avoid any additional charges.

All returned materials must have a GMG return materials authorization (RMA) number. Authorized returns must be shipped freight prepaid to GMG. GMG reserves the right to refuse any return that is sent COD or without an RMA number visible on the exterior of the package. Unauthorized returns, refused shipments, and authorized returns of non-defective merchandise after the above stated return periods are subject to additional charges.

Please see all terms and conditions of sale at: www.globalmedia.com

No claim made by the buyer shall be for an amount greater than the purchase price of the goods in respect of which the claim was made, regardless of whether the claim pertains to damage incurred in shipping, failure to ship, or inherent defects. GMG will in no way be liable for incidental or consequential charges. In all events, GMG reserves the option of repair or replacement at its discretion.

GMG takes no responsibility for incorrect, outdated, or otherwise inaccurate information, including pricing and product specifications. GMG is not responsible for typographical errors or omissions and shall not be liable for any incidental or consequential damages caused directly or indirectly from any GMG product. In addition, GMG reserves the right to change prices, specifications or discontinue products at any time without prior notice while reserving the right to refuse or conduct a cancellation on its transaction activities due to price inconsistency from its suppliers.

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