









# Eye-One®



Color Tools to Ignite Your Imagination

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-  Eye-One PUBLISH
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# Eye-One®

## Color Tools to Ignite

**New Eye-One Color Management System from GretagMacbeth**  
Accurate, predictable, consistent color — from scanners, monitors, printers, projectors — can change the way you work. You save time — no more rework. You save your clients worry — no more excuses. Best of all, you save your creative energy — for creating even better work.



## Eye-One® DISPLAY 2

**Reliable and affordable color starts here,** with the next generation of the highly successful Eye-One Display monitor profile solution. Eye-One Display 2 is a brand new, easy-to-use, powerful solution that provides the best monitor profile quality ever! With new enhancements to both hardware and software, you'll achieve consistent, predictable color on all types of monitors (LCD and CRT). Eye-One Display 2 features a new enhanced sensor providing higher repeatability, faster measurements and higher sensitivity in the dark areas for better control in shadow detail and a more neutral gray scale. Its lightweight, sleek design is the same as the original Eye-One Display and comes with a New Ambient light head (which also acts as a dust protector), a built-in counterweight for LCD displays plus an integrated suction cup for CRTs.

The newest Eye-One Match 3.0 software's easy-to-use interface provides an Easy Mode for great results with a few simple clicks. And for all monitors supporting the DDC/CI standards, you'll achieve one button push monitor profiling — no extra cable required! The Advanced Mode allows experienced users to achieve individual and best possible monitor calibration with new features such as selection of different monitor white points, custom luminance settings and detailed profile summary.

When you're ready to profile all your input and output devices, use the generous upgrade voucher towards the purchase of other Eye-One solutions — details at [i1color.com](http://i1color.com)



## Eye-One® PHOTO

**Picture this: complete color control for your photos.** Eye-One Photo is the ideal solution for digital photographers who need consistent, reliable color for monitors and digital RGB printers. This color management solution ensures consistent color reproduction from display to proof to final output — and very affordable. Eye-One Photo includes the award-winning Eye-One Pro spectrophotometer and Eye-One Match 3.0 software so you can effortlessly calibrate and profile any type of monitor (LCD or CRT) and RGB printer.



The Eye-One Pro device includes an ambient light head that lets you measure color temperature and see the effect of various lighting conditions on your work. Our new Eye-One Match 3.0 software makes Eye-One Photo fast and easy to use (no Color Ph.D. required!). Plus, it's expandable! If you need to add CMYK or scanner profiling functionality, simply purchase an access code. Or add Eye-One Beamer to accurately show off your work using a digital projector. Need to profile a digital camera? Add our ProfileMaker Digital Camera Module. They all work together! You can easily transport your Eye-One in our optional carrying case. And with the new optional Eye-One iO you can automate your chart reading at any time!

## Eye-One® PUBLISH

**Print production the way you dreamed it could be.** Eye-One Publish is a comprehensive, easy-to-use color management system for ad agencies, designers and publishers who want to calibrate and profile the complete print production workflow. It ensures accurate, consistent color from monitor and scanner, to proof, to final output on any RGB or CMYK printer — every step of the way. Eye-One Publish includes the award-winning



Eye-One Pro spectrophotometer, monitor holders (LCD and CRT) and scanning ruler for fast test chart scanning. The new ambient light head lets you measure color temperature and see the effect of various lighting conditions. And our new Eye One Match 3.0 software offers an intuitive user interface incorporating work progress history and on-screen help. It boasts new features such as luminance settings, profile reminder, chromatic adaptation and automatic grey balance optimization, plus ambient light measurement support.

Eye-One Publish is also expandable. Add Eye-One Beamer to ensure your digitally presentations reflect the colors you intended. Upgrade to ProfileMaker™ software for high pre-press work, or to add digital camera or multicolor profiling. And You can easily transport Eye-One in our optional carrying case. And with the new optional Eye-One iO you can automate your chart reading at any time!

Eye-One® SHARE





## Eye-One® BEAMER

**Project your true colors**, every time you use a digital projector — in your office or in front of a crowd. Eye-One Beamer is the first easy-to-use, portable device that calibrates and profiles both digital projectors and all types of monitors to ensure accurate color from display to screen. Now, you can achieve reliable colors for perfect presentations!

Designed for creative, non-technical users, Eye-One Beamer is invaluable for photographers, corporate executives, ad agencies, designers, and A-V firms alike. The package includes the award-winning Eye-One Pro spectrophotometer, Eye-One Match 3.0 software and the holder for positioning the device on screen — all in a convenient carrying case. New Eye-One Match 3.0 software provides fast, easy calibration and profiling for all types of digital projectors, plus LCD and CRT monitors. As your needs grow, you can easily expand to add scanner or printer profiling functionality with a purchased access code. And remember, all Eye-One products use the same software — no need to reinstall!

And now you can even apply ICC profiles to your PC Powerpoint presentations with our new ColorPoint add-in. Simply build your profiles and select them from the Color Management pull down menu. Your entire presentation will display in the colors you intended. (Windows compatible only.)



## NEW: Eye-One® iO

**Affordable automation for Eye-One Pro color measuring device.** More than ever before, Eye-One delivers a complete solution for all color measurement and color management needs. The new Eye-One iO provides a new level of automation for fast, automated test chart reading that will increase productivity, lower the level of operator skill required, and reduce the risk of errors, thereby ensuring consistent and reliable results with the Eye-One Pro spectrophotometer, adding even more versatility to the award-winning Eye-One system.

It is ideal for creatives/designers, photographers, prepress, corporate design, ad agencies, as well as for print for pay, fine arts, sign shops, textile printing, large format printing and high speed digital printing environments.

The iO gives users a choice of two reflective scanning options: white or black backing, and comes with an optional transparent base to measure various transparent materials. iO further enables characterization of thick to very thick substrates, such as the ones used in textile printing, ceramic printing or decor printing.

With the new level of versatility and expansion potential the Eye-One iO delivers, there's no reason to put off buying an Eye-One Pro solution. If you're interested in accurate color, this is the configuration you've got to have! Begin taking advantage of all the benefits Eye-One solutions offer today and you'll easily be able to add the Eye-One iO automated scanning table at a later stage.  
*Available early 2005!*



**All Eye-One packages include Eye-One Share freeware.** Eye-One Share 1.4 lets you create, evaluate and convert colors, build lighting libraries, create color palettes and share them with your coworkers, project team members and clients. Your palette is exportable to all design applications, so you won't waste time rebuilding it. New features in this updated version support the use of the new ambient light head incorporated into the Eye-One Pro measuring device (for capturing and incorporating both flash and ambient light), while the new Light Tool enables you to check the quality of light in light booths or working environments. With its enhanced CxF capabilities Eye-One Share 1.4 connects all GretagMacbeth software and hardware enabling you to transfer your colors throughout the complete work flow from Creative, Prepress to Pressroom. Whether you own an Eye-One or not, you and your clients can take advantage of the many cool features of this free software — downloadable at [i1color.com](http://i1color.com). Eye-One Share works on both Windows and Mac platforms.

Eye-One DISPLAY 2	Eye-One PHOTO	Eye-One PUBLISH	Eye-One BEAMER	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Monitor Calibration & Profiling
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	RGB Printer Profiling
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	CMYK Printer Profiling
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Scanner Profiling (reflectance target included)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Projector Calibration & Profiling
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Light measurement
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Spot color measurement
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chart measurement in scan mode
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Carry everything in a convenient case
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Upgrade Voucher towards Photo, Publish or Beamer

Included     Optional Upgrade

## All Eye-One products use Eye-One Match 3.0 software.

This powerful, innovative software is modular, so you can gradually expand your existing Eye-One system as your needs and experience change — until you achieve the most complete color control desired. This newest version includes enhanced monitor features such as:

- User-definable luminance setting
- Monitor profile summary
- Profile reminder
- Chromatic adaptation formula
- Automatic gray balance
- Ambient "Light Meter"
- Multiple monitor profiling
- DDC/CI support for compatible monitors — one button push profiling

To learn more about color management, our products, and upgrades visit [www.i1color.com](http://www.i1color.com)

# Technical specifications for Eye-One®

## Eye-One Display 2 device

### General

Device Type:	Three channel colorimetric sensor
Interface:	USB data and power supply
Data format:	Luminance (cd/m <sup>2</sup> ), chromaticity coord. x, y (CIE 1931)
Refresh rate:	Monitor frequencies: 40 Hz to 150 Hz
Physical dimensions:	Length 84 mm, width 64 mm, height 35 mm
Weight:	Measurement device 131 g, counter weight 33 g

### Performance

Measurement range:	Luminance: Black point:0.02 cd/m <sup>2</sup> White point: 3,000 cd/m <sup>2</sup> Illuminance: Suitable for use in Graphic Display Proofing per ISO/CD 12646 Standard
Accuracy:	With respect to Eye-One Pro on reference monitor (white 6500 K), chromaticity coord. x,y +/-0.004
Short-term repeatability:	Luminance 0.3% at Y=75 cd/m <sup>2</sup> (white 6500 K) Chromaticity coord. x,y <+/-0.001 at Y=75 cd/m <sup>2</sup> (white 6500 K)

## Eye-One Pro device

### Spectral measurement device with supported measurement modes

- Reflectance single measurement
- Reflectance scanning measurement with automatic patch detection
- Emission: radiance measurement (monitor measurement)
- Emission: irradiance measurement (light measurement)

### General

Spectral analyzer:	Holographic diffraction grating with diode array detector
Spectral data:	Range: 380 ... 730 nm in 10 nm steps
Measurement aperture:	4.5 mm diameter
Interface:	USB data and power supply
Physical dimensions:	Length 151 mm, width 66 mm, height 67 mm (6 x 2.6 x 2.6 inches)
Weight:	185 g (6.5 oz)
Accessories included:	Calibration plate, USB cable, CRT monitor holder, flat panel holder, positioning target, scanning ruler, and light measurement head

### Reflectance

Measurement geometry:	45°/0° ring illumination optics, DIN 5033
Light source:	Gas filled tungsten (Type A)
Physical filters:	No or UV cut (Filters not exchangeable)
Inter-instrument agreement:	Average DE*94 0.4, max. DE*94 1.0 (Deviation from GretagMacbeth manufacturing standard at 23°C for single measurement mode on 12 BCRA tiles (D50,2°))
Short-term repeatability:	DE*94 <= 0.1 (D50,2°), with respect to the mean CIE Lab value of 10 measurements every 3 seconds on white

### Emission

Data format:	Spectral radiance (mW/nm/m <sup>2</sup> /sr); Luminance Y (cd/m <sup>2</sup> )
Measurement range:	0.2 ... 300 cd/m <sup>2</sup>
Short-term repeatability:	x,y: +/- 0.002 typical (CRT 5000°K, 80 cd/m <sup>2</sup> )

### Light measurement

Type:	Cosine-corrected diffuse light measurement head
Diameter:	6.0 mm
Data format:	Spectral irradiance (mw/nm/m <sup>2</sup> ), Illuminance Y (lux)

## Eye-One Display 2 device and Eye-One Pro device

### Power conditions

Power Required	Powered by USB, no additional charger required USB 1.1 high power device (Eye-One Pro) USB low power class device (Eye-One Display)
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### System Requirements

<b>Macintosh®</b> <ul style="list-style-type: none"> <li>• Any Macintosh® with USB support</li> <li>• Mac OS X v10.1 or later</li> <li>• 128 MB of available RAM</li> <li>• 48 MB of available hard disk space</li> <li>• Monitor resolution of 1024 x 768 pixels or higher</li> </ul>	<b>Windows®</b> <ul style="list-style-type: none"> <li>• Pentium® II, 266 Mhz or higher</li> <li>• Windows® 98, 2000, ME, XP</li> <li>• 128 MB of available RAM</li> <li>• 48 MB of available hard disk space</li> <li>• Monitor resolution of 1024 x 768 pixels or higher</li> </ul>
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