Applications 1 - 2 - 3



Issue Date: October 2006

COLOR SENSOR FOR COLOR MANAGEMENT

For more information please contact:

CORPORATE OFFICE: OPTEK Technology

1645 Wallace Drive Carrollton, TX 75006 USA

Telephone: 972-323-2200 Toll Free: 800-341-4747 Fax: 972-323-2396 E-mail:sensors@optekinc.com Website:www.optekinc.com

EUROPEAN OFFICE:

Telephone: 33 13424 8722 Fax: 33 13424 8433 E-mail: info@optek-europe.com

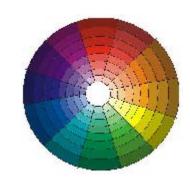
In Germany call: 49 921 79201128

In Asia:

E-mail: info@optekasia.com

Color Management Products

Color Management (CM) Products provide companies with the ability to consistently achieve the right color. Graphic art, retail and industrial companies utilize CM products to maintain a color brand, identify, process and communicate color data.



Color Management Product Requirements

CM products integrate software and hardware to achieve color management solutions. Most color measurement instruments utilize a color sensor that precisely and consistently measures color across multiple samples. This requires a color sensor with high resolution and minimum impact from non-uniform ambient light conditions.



The sensor solution from OPTEK

The OPB780 Reflective Color Sensor

- High Resolution, 256+ colors.
- Sensor is a color-to-frequency converter.
- · Communicates directly with a microcontroller.
- Single-supply operation (2.7V to 5.5V)
- Nonlinearity Error Typically 0.2% at 50 kHz.
- White LED minimizes the effect of nonuniform ambient light sources.
- Stable 200ppm/°C temperature coefficient.
- Custom designs also available.



OPB780

OPB780FFC-10