

What's new in Datacolor ColorFacts Professional™ 7.5?

Datacolor Spyder3™ Colorimeter included.

Datacolor Spyder3™ Colorimeters guarantee best possible measurement accuracy (Chromaticity x, y : +/- .002, Luminance: Y +/- 1%).

Everything you need to connect via RS232.

Each Datacolor ColorFacts Professional™ 7.5 kit includes an RS232 cable, a null modem cable and a USB-to-Serial adapter for connecting to the supported displays and devices.

Gamma Calculator.

The Gamma Calculator allows the calibrator to optimize both the colorimetry and luminance simultaneously, by determining the luminance target for any given gray scale level.

Editable Secondaries.

Datacolor ColorFacts Professional™ 7.5 automatically calculates the secondary colors (Cyan, Yellow and Magenta) based on the primary colors. Users who would like to take control of secondary color positioning can override the automatic secondary calculation.

Support for new 3rd party hardware.

Several new hardware devices and displays are compatible with Datacolor ColorFacts Professional™ 7.5, now allowing for direct connections to 5 external Signal Generators, 15 measurement devices and 30 different displays.

Instruments supported by Datacolor ColorFacts Professional™ 7.5:

- Datacolor Spyder2™
- Datacolor Spyder3™
- Datacolor Spyder™ (originally resold slightly modified as the „Optimagery Sensor“)
- GretagMacbeth Eye-One Monitor (w/ spectral graphing)
- GretagMacbeth EyeOne Display
- PhotoResearch PR-650 (w/ spectral graphing)
- Minolta CL-200 handheld chroma meter
- Minolta CA-210 LCD „box“ colorimeter
- Minolta CA-100 colorimeter
- Minolta CA-110
- Minolta CS-100A through-the-lens colorimeter
- Minolta CS-200 can now be used with ColorFacts Professional (NEW)
- Minolta CS-1000 1 nm resolution spectroradiometer (w/spectral graphing)
- Milori Trichromat-1 (rebranded Sequel Imaging Chroma 4)
- Generic, non-password protected Sequel Imaging Chroma driver (supports Sencore ColorLabs probes cp-288 and cp-5000)
- Manual Meter (values may be typed in from any instrument for which XYZ or xyY values are obtainable)
- Simulated Meter (a „smart“ random number generator produces software generated readings)

Signal generators supported by Datacolor ColorFacts Professional™ 7.5

- Extron VTG-400
- Sencore VP300
- Sencore VP400, 401, 402, 403
- QuantumData 802 series
- Accupel HDG-3000
- Computer Video Card
- External test disc (ColorFacts Professional™ Disc, Avia, Video Essentials, PF Test Disc)

Software Features

Measurements:	xyY, Luminance
Color Space Data:	Displays Yxy, XYZ, LCh, RGB, CIE Lab, and CIE Luv color space data
Calibration Target Selection:	A, B, C, D50, D55, D65, D75, E, 9300 K, User-defined temperature or user-defined coordinates
Selectable Color System References:	NTSC, ATSC/HDTV, PAL/SECAM, user-defined
Selectable Calibration Target:	A, B, C, D50, D55, D65, D75, E, 9300 K, User-Defined Temperature or Coordinates
Integrates with Test Image DVDs:	CF DVD, Avia, Video Essentials, PF Test Disc
Meter Training Wizard:	Yes, allows you to train one meter with another
Bulls-Eye Style Correction Targeting:	Yes
Import/Export Options:	All data and graphics can be saved or imported as .csv, .bmp, .jpg, .pdf
Integrated Address Book:	Yes
Operating System:	Windows

Hardware Specifications

Display Devices:	All front projectors, RPTV's, Direct View TV's, Digital DLP's, LCD's and Plasma video displays
Accuracy:	Chromaticity x, y : +/- .002, Luminance: Y +/- 1%
Repeatability:	Chromaticity, x, y = less than 0.001; Luminance, Y = less than 1%;
Inter-Instrument Agreement:	Δx and Δy : typical +/- 0.0012
Luminance:	Y Typical +/- 1.5%
Dynamic Range:	Black Point: 0.02 cd/m ² , White Point: > 5,000 cd/m ²
Optical Device:	Patented Datacolor Colorimeter
Mounting Methods:	Suction Cup, Counterweight (LCD's), tri-pod mount
Cable Connection:	7 ft. USB
Weight:	130 grams (including counterweight & cable)
Hardware Warranty:	2 years

System Requirements

- Windows 2000 or XP operating system, Pentium Class CPU, 400MHZ or higher
- Video Card: 1024x768 resolution, 24 bpp color (16.7 million colors)
- Powered USB port
- DVD Player
- Remote controls for TV & DVD
- 20 MB Drive Space for product, additional space for user-generated files (graphics, data files)





Why Calibrate?

Displays are rarely tuned before shipping. They may be intentionally tuned for retail lighting in order to sell better on the sales floor. Datacolor ColorFacts Professional™ 7.5 calibrates displays to show images as they were intended.

Datacolor ColorFacts Professional™ 7.5 calibrates the display to the entire video chain—all the way from DVD to screen. It realizes the film director's original vision by calibrating to the same industry standards that were used in the media creation. Displays calibrated by Datacolor ColorFacts Professional™ 7.5 will display a higher-quality image with more detail in the picture. The colors will be more natural and lifelike, details will be present that might otherwise be lost. Viewing the image will be more enjoyable, over a longer period of time.

What is Datacolor ColorFacts Professional™ 7.5?

Datacolor ColorFacts Professional™ 7.5 is an easy-to-use professional color calibration system for optimizing all front projectors, RPTV's, Direct View TV's, Digital DLP's, LCD's and Plasma video displays to industry standards. With the integrated hardware and intuitive, configurable, full-color user interface, Datacolor ColorFacts Professional™ 7.5 reduces the time required to accurately calibrate almost any display. This gives you high quality images, lifelike colors, more detail and an overall better viewing experience. Datacolor ColorFacts Professional™ 7.5 technology is for all professional calibrators or AV installers who demand the best tools available.

Datacolor ColorFacts Professional™ 7.5 was designed to be fast, accurate and easy-to-use and to support many different types of display devices, hardware instruments, color systems and reference illuminants. The system is designed to hide the complexity and mathematics of color science behind an easy to understand interface. With an intuitive, configurable, full-color user interface, Datacolor ColorFacts Professional™ 7.5 reduces the time required to accurately calibrate almost any display. It enhances realism by extending highlight and shadow detail.



What's Included

- Datacolor ColorFacts Professional™ 7.5 software CD
- Datacolor Spyder3™ Colorimeter (specifications are .002, .002 x.y and 1% cap or better)
- Datacolor Spyder3™ Tripod adapter
- Datacolor ColorFacts Professional™ 7.5 CD (English only)
- Datacolor ColorFacts Professional™ 7 DVD – NTSC (test patterns)
- Datacolor ColorFacts Professional™ 7 DVD – PAL (test patterns)
- Hardware dongle
- RS-232 Cable
- Null modem adapter
- USB to Serial adapter
- Blue Filter Glasses
- Metal Carrying Case
- Datacolor ColorFacts Professional™ 7 Manual
- Datacolor Spyder3™ Warranty card

Features & Benefits

C3 Remote

Software allows a direct connection to over three dozen consumer, professional and industrial display devices. This eliminates human error from entering settings by hand.

Signal Generator Integration

Datacolor ColorFacts Professional™ 7.5 drives the signal generator and the signal generator drives the display reducing the risk of errors.

Gamma Calculator

The gamma calculator will enable you to calibrate both color and luminance at multiple points on the gray scale at the same time, for a perfect gamma response while maintaining calibrated colorimetry.

Secondary Color Override

Datacolor ColorFacts Professional™ 7.5 can calculate the proper position of secondaries automatically, or you can override the automatic calculation and specify the location of the secondaries directly.

Upgradeable System

Datacolor ColorFacts Professional™ 7.5 hardware and software is completely upgradeable so your calibration system will never be outdated.

Multi-display or Video Wall Display Matching

Match color and luminance simultaneously to cut video display calibration time.

Richer Reporting for Installers

Custom Reports are automatically graphed and can be viewed on-screen, saved as files or printed for your customer.

Historical and Real-Time Data

With each click of the remote you get immediate feedback which saves lots of time.

Calibrate the Display to the Entire Video Chain

Calibrating all the way from DVD to screen will deliver the most amazing and vivid home theater experience.

Feature Rich Software

Full control over cuts and gains, primary, secondary and gamma analysis and gray scale tracking from black to white.

Intuitive, Configurable, Full-Color User Interface

The Pro's tools for quick accurate calibration to ISF standards.

