



THE ARTISAN™ COLOR REFERENCE SYSTEM



ABSOLUTE COLOR CONTROL | ABSOLUTELY SONY

The Artisan™ Color Reference System combines Emmy®* award-winning, Sony FD Trinitron® CRT display technology with the state-of-the-art Artisan™ sensor and software for display calibration and profiling.

Designed to meet the color management needs of the creative professional—from graphic designers, architects and animators to image retouchers and photographers—the Artisan™ Color Reference System provides an absolute visual reference: accurate, well-characterized and consistent over time.

Artisan™ Display Features:



- Visually flat Trinitron® CRT reduces glare and image distortion.
- Aperture Grille technology provides a brighter, sharper display.
- Extended dynamic range reaches bright luminance even at D50 setting.
- L50 bezel ensures surroundings do not affect color perception.

Artisan™ Software Features:



- Measures ambient light conditions to protect color perception integrity.
- Saves calibration data and automatically verifies system status.
- Toggles between pre-calibrated multiple color spaces with one mouse click.
- Allows user to quickly verify that the display is calibrated.

Artisan™ Sensor Features:



- Factory-calibrated at white and black for consistent, repeatable contrast ratio.
- Thoughtful design for high performance.
- Sleek case protects the sensor and manages the cable.

VIEWING ACCURACY AND STABILITY

Provides an accurate, stable display for viewing images and color. The software, sensor and display work together to meticulously adjust the bias and gain of the display. Not only are white and black levels set by adjusting the internal mechanics of the display (not in video LUT), perfectly neutral grays are established, as well.

SETS AND MAINTAINS BLACK

By anchoring the white and black levels of the display, the Artisan™ Color Reference System maintains contrast ratio—a necessity for repeatable color. As long as both displays are calibrated to the same target color space, images will be perceived identically when viewed on two different Sony Artisan™ displays.

EXCELLENT SOFT PROOFING

The Artisan™ sensor is factory-calibrated to the actual red, green and blue phosphors used by the display, therefore data supplied to the display's ICC profile is extremely accurate—dramatically improving the quality of corresponding soft proofs.

ONE-TOUCH CALIBRATION

The process of setting an accurate and fixed color space—typically a difficult and tedious manual task in other systems—is now completely user-friendly. Calibration is conducted simply and automatically with one mouse click.

ATTENTION TO DETAIL

From the easy-grip color calibration sensor and L50 bezel to the integrated hood that blocks glare, the Artisan™ Color Reference System has been thoughtfully designed for the creative professional. It provides consistent calibration to an absolute specification—ensuring the same degree of accuracy for setting white and black luminance with every use.



THE ARTISAN™ COLOR REFERENCE SYSTEM SPECIFICATIONS

MODEL# GDM-C520K

SONY

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DISPLAY

Color: Dark Gray Cabinet with L50 Neutral Gray Bezel

CRT Type: FD Trinitron®

CRT Size/Viewable Image Size: 21"/19.8"

Aperture Grille Pitch: 0.24mm

Horizontal Scan: 30kHz–130kHz

Vertical Refresh: 48Hz–170Hz

Maximum Resolution: 2048 x 1536

Recommended Resolution: 1600 x 1200 @85Hz

Color Temperature Control: 5000K, 6500K (default), 9300K

Variable RGB Gain and Bias Control

Video Input Connectors: Dual Input (D-Sub HD15)

Display Dimensions (W x H x D): 19.7" x 19.6" x 19.1"

Display Weight: 67.4 lbs.

Power Requirements: 100–240V AC, 50/60Hz

Power Management: Normal: 135 Watts (max.)

Active Off: 3 Watts (max.)

Power Off: 0 Watts (approx.)

Tilt Range: - 5° to + 15°

Swivel Range: +/- 90°

Plug and Play: DDC-2B, DDC-2Bi



SENSOR

Sensor Accuracy:

@85 cd/m²: x,y: +/- 0.002; Y: +/- 2%

@5 cd/m²: <2 DeltaE deviation

@.5 cd/m²: <2 DeltaE deviation

Sensor Repeatability:

@85 cd/m²: x,y: +/- 0.002; Y: +/- 1%

@5 cd/m²: x,y: +/- 0.006; Y: +/- 3%

@.5 cd/m²: x,y: +/- 0.006; Y: +/- 3%

Sensor Test Conditions:

NIST Certified Reference

Ambient Temperature: 24° C +/- 2° C

Display has been aged for more than one hour with Full White field (85 cd/m²)

Display set to white of D50 (x .346 y .359) in a darkened (<2 lux) room

Signal timing: 1152 x 870 @70Hz

SOFTWARE

Operating System Support:

Mac® OS v9.2, OS X v10.1

Windows® 2000, Windows XP

System Requirements:

- 24 Bit Color
- 800 x 600 Resolution (min.)
- 128MB RAM
- Two Available USB Ports
- 8MB Available Hard Drive Space

ACCESSORIES

Attachable Display Hood

Artisan™ Signal Cable

HD15–HD15 Video Signal Cable

AC Power Cord

Display User Manual (English, Spanish, French)

Artisan™ System User Manual (English, Spanish, French)

Quick Set-up Guide

Limited Warranty (3 Years Parts, Labor, CRT)

Artisan™ Color Reference Sensor

Artisan™ Color Reference Software CD-ROM

For more information, log on to sony.com/artisan



*The National Academy of Television Arts and Sciences (NATAS) awarded Sony a 1973 Emmy award for outstanding achievement in engineering development for the Trinitron® color television and a 2001 Emmy award for Technical Achievement in Flat Screen CRT Technology.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. These displays are not manufactured to any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware option except those mentioned here. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of non-Sony products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance.

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