



FEATURES

- Compact size
- Exclusive **Silentview™** cooling system for whisper-quiet operation
- Intuitive on=screen menus for easy set-up and operation
- Memory settings ensure optimum picture quality for each video format
- High brightness (1,100 lumens) without sacrificing detail
- New large-neck 7" CRTs with fully color-corrected high definition lenses deliver smaller spot size for tighter, sharper focus
- Exclusive **Powersync™** technology ensures exceptionally clean image
- 65 kHz scan rate and multiple aspect ratios handle all current broadcast HDTV formats, line multipliers, and computer graphics
- 12-bit digital convergence ensures clarity and consistent color over entire picture area
- Includes ceiling mount kit, 8-device pre-programmed back-lit remote, and RS232 control software

DESCRIPTION

The Dwin HD-700 **Silentview™** home theater projector is the first CRT projector designed specifically for **home** theaters. While producing images with stunning realism, the compact HD-700 takes up less precious space, and, thanks to its **Silentview™** cooling system, generates no bothersome fan noise. Intuitive on-screen menus make set-up and operation easier than ever for installers and homeowners. Settings for each video format can be stored in memory, ensuring optimum picture quality every time. You might call the HD-700 the first truly *domesticated* CRT Projector.

The HD-700 features graphics-grade CRTs, *fully* colored-corrected high-definition lenses, multiple aspect ratios, and a maximum scan rate of 65kHz that accommodates all current broadcast **HDTV** formats. Clarity and color consistency over the entire picture area are optimized through a 12-bit digital convergence system that interpolates adjustment at thousands of locations across the screen. DWIN's exclusive **Powersync™** technology, which synchronizes the power supply to the incoming video signal, virtually eliminates power supply induced noise for an exceptional clean image.

Settings for convergence, scan rate, aspect ratio, grayscale, brightness, and contrast for each video format can be stored in memory. So no matter what you view — from Web sites to anamorphic DVDs to 1080i HDTV — the HD-700 delivers optimum picture quality without requiring tedious adjustments.

In combination with DWIN's revolutionary **TranScanner™** Variable Line Multiplier™ or the LD-10 Line Doubler, the HD-700 delivers seamless, film-like images.

The affordable HD-700 illustrates DWIN's commitment to bringing high-performance video to a wider audience.

DWIN BRINGS HOME THEATER INTO FOCUS!

SPECIFICATIONS*:

SYSTEM TYPE

3 CRT/3 Lens refractive projection system for line-doubled and HDTV video or computer graphics. Separate front or rear screen required.

OPTICS

USPL high resolution HD-145 data grade lenses. F1.03, hybrid design, fully color corrected.

CRTS

7" liquid cooled, 36mm "large neck" design with anti-reflective coated faceplates. 70 degree deflection angle. Over 5.6" active raster area.

SCREEN SIZE

60"/153cm minimum
150"/381cm maximum
Factory preset for 100"/254cm
(All measurements diagonal)

SCREEN CONFIGURATION

Front or rear throw, floor or ceiling mounted

THROW DISTANCE (INCHES)

1.25" x screen width plus 9"

LIGHT OUTPUT

1100 lumens (10% peak white)

OPTICAL RESOLUTION

10 line pairs per mm, 1250 TV Lines

VIDEO BANDWIDTH

75 MHz (± 3 db)

INPUT

RGB: 0.7 Vp-p 75 ohms positive (BNC)
V & H/C Sync: 0.7 - 4.0 Vp-p 75 ohms negative (BNC)

CONVERGENCE SYSTEM

12 bit digital system with 60 preset memory positions. Static and dynamic wave convergence via wireless remote or RS-232C port

CONVERGENCE ACCURACY

Less than 0.2% of vertical height

TEST PATTERNS

Cross Hatch, Crosshair, Focus Dot, Window, Needle Pulse, Gray Scale, Flat Field

SCAN FREQUENCY

Horizontal: 30 kHz - 65 kHz
Vertical: 50 Hz - 80 Hz

RETRACE TIME

Horizontal: 3.5 μ sec
Vertical: 450 μ sec

DATA COMMUNICATION PORT

RS-232C via DB-9 connector

POWER INPUT

Factory Preset:
90 - 130 VAC / 180 - 260 VAC; 50/60 Hz

POWER CONSUMPTION

220 watts max

OPERATING ENVIRONMENT

Temperature: 0°C to + 35°C
Humidity: 0%-90% non-condensing

STORAGE ENVIRONMENT

-10°C to +50°C

SAFETY & REGULATIONS:

Certified to FCC Class B.
Complies to DHHS regulations.

DIMENSIONS (W X H X D)

22" x 10.5" x 23.5"
559 mm x 267 mm x 597 mm

WEIGHT

65 lbs. (29.5 Kg)

SUPPLIED ACCESSORIES

Full function wireless remote control,
Ceiling Mount kit, Owner's Manual

OPTIONAL ENHANCEMENTS

DWIN TranScanner2™

WARRANTY

One year parts and labor; Two years on CRTs

*Specifications are subject to change without notice. TranScanner™, Variable Line Multiplier/Multiplication™, Silentview™, and Powersync™ are trademarks of DWIN Electronics, Inc. Other trademarks are the property of their respective owners and their use does not imply any endorsement.



Electronics, Inc.

710 North Mariposa Street,
Burbank, CA 91506

www.dwin.com

Tel: (818)239-1500

info@dwin.com

Fax: (818)239-1506